CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Mar. 20	Wash., D. C.	Mar. 9
Mar. 20	Newburgh, N. Y.	Feb. 23
Mar. 20	New Orleans, La. Adv. Jan. 26 to Mar. 16.	Jan. 26
Mar. 21	Houston, Minn.	Mar. 9
Mar. 22	Reading, Pa.	Mar. 9
Mar. 22	New York, N. Y.	Mar. 16
Mar. 24	Thurston, Neb.	Mar. 9
Mar. 28	Walla Walla, Wash.	Mar. 9
Mar. 28	Fallon, Nev.	Feb. 23
Mar. 30	Watertown, S. D.	Mar. 16
Apr. 1	Waupaca, Wis.	Mar. 16
Apr. 1	Lincoln, Neb.	Mar. 16
Apr. 6	Lexington, N. C. Adv. Mar. 16.	Mar. 16
Apr. 12	San Francisco, Cal.	Mar. 9

SEWERS

Mar. 20	Plainfield, N. J.	Mar. 2
Mar. 20	Kalamazoo, Mich.	Mar. 9
Mar. 21	Columbus, O.	Mar. 16
Mar. 22	Towson, Md. Adv. Mar. 9 and 16.	Mar. 9
Mar. 25	Lincoln, Neb.	Mar. 16
Mar. 27	Johnstown, Pa. Adv. Mar. 9 and 16.	Mar. 9
Mar. 28	Memphis, Tenn. Adv. Mar. 16.	Mar. 16
Mar. 28	Coffeyville, Kan.	Mar. 16
Mar. 29	Glendale, O. Adv. Mar. 9 and 16.	Mar. 9
Mar. 30	Indianapolis, Ind. Adv. Mar. 9 and 16.	Mar. 9
Mar. 31	Red Bank, N. J. Adv. Mar. 16.	Mar. 16
Apr. 1	Lima, O.	Mar. 2
Apr. 10	Los Angeles, Cal.	Feb. 16
Apr. 17	Ames, Ia. Adv. Mar. 16.	Mar. 16

BRIDGES

Mar. 20	Kenosha, Wis.	Mar. 16
Mar. 20	Adel, Ia.	Mar. 16
Mar. 22	Ontario	Mar. 16
Mar. 24	Bainbridge, Ga.	Mar. 16
Mar. 27	Lancaster, Pa. Adv. Mar. 9 and 16.	Mar. 9
Mar. 27	Johnstown, Pa. Adv. Mar. 9 and 16.	Mar. 9
Mar. 27	Colorado	Mar. 9
Mar. 28	Belton, Tex.	Mar. 16
Mar. 29	Maine Adv. Mar. 16.	Mar. 16
Mar. 30	Ottumwa, Ia.	Mar. 16
Mar. 31	Tennessee	Mar. 16
Mar. 31	Detroit, Mich.	Mar. 16
Mar. 31	Alabama	Mar. 9
Apr. 4	West Virginia	Mar. 9
Apr. 4	Lewisburg, W. Va. Adv. Mar. 16.	Mar. 16
Apr. 6	Pensacola, Fla.	Mar. 16
Apr. 10	Shadesville, O.	Mar. 16
Apr. 11	Alabama	Mar. 16
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Mar. 21	Imperial, Neb.	Mar. 2
Mar. 28	Peshtigo, Wis.	Mar. 16
Apr. 3	Basin, Wyo.	Mar. 9

EXCAVATION AND DREDGING

Mar. 21	Wheaton, Minn.	Mar. 9
Mar. 23	Cleveland, O.	Mar. 9
Mar. 24	Redwood Falls, Minn.	Mar. 9
Mar. 25	Sheboygan, Wis.	Mar. 9
Mar. 25	Lincolnton, N. C.	Mar. 16
Apr. 7	Neillsville, Wis.	Mar. 16
Apr. 10	Ontario Adv. Mar. 9 and 16.	Mar. 9

STREETS AND ROADS

Mar. 20	Spring Lake, N. J. Adv. Mar. 2 to 16.	Mar. 2
Mar. 20	Plainfield, N. J.	Mar. 2
Mar. 20	Seattle, Wash.	Mar. 2
Mar. 20	Ohio	Mar. 4
Mar. 20	Montesano, Wash.	Mar. 9
Mar. 20	Lodi, Cal.	Mar. 9
Mar. 20	Kalamazoo, Mich.	Mar. 9
Mar. 20	Appleton, Wis.	Mar. 16
Mar. 20	De Kalb, Ill.	Mar. 16
Mar. 20	Akron, O.	Mar. 16
Mar. 21	Tampa, Fla.	Mar. 16
Mar. 21	Philippi, W. Va.	Mar. 16
Mar. 21	Connecticut Adv. Mar. 16.	Mar. 16
Mar. 21	Waseca, Minn.	Mar. 16
Mar. 21	West Branch, Mich.	Mar. 16
Mar. 21	Washington	Mar. 9
Mar. 21	Denver, Col.	Mar. 9
Mar. 21	Massachusetts	Mar. 9
Mar. 21	Little Falls, Minn.	Mar. 9
Mar. 21	New Berlin, N. Y.	Mar. 9
Mar. 21	Manasquan, N. J. Adv. Mar. 9 and 16.	Mar. 9
Mar. 21	Alabama	Mar. 2
Mar. 21	Elkhorn, Wis.	Mar. 16
Mar. 22	New York, N. Y.	Mar. 16
Mar. 22	Milwaukee, Wis.	Mar. 16
Mar. 22	New Mexico	Mar. 16
Mar. 22	Racine, Wis.	Mar. 16
Mar. 22	Bad Axe, Mich.	Mar. 9
Mar. 22	Baltimore, Md.	Mar. 9
Mar. 22	Alabama	Mar. 2
Mar. 22	Fergus Falls, Minn.	Mar. 2
Mar. 22	Wisconsin	Mar. 16
Mar. 23	Brooklyn, N. Y.	Mar. 16
Mar. 23	Wisconsin Rapids, Wis.	Mar. 16
Mar. 23	Missouri	Mar. 16
Mar. 23	New Mexico	Mar. 16
Mar. 23	Fond du Lac, Wis.	Mar. 16
Mar. 24	Willmar, Minn.	Mar. 16
Mar. 24	Elkins, W. Va.	Mar. 9
Mar. 24	Minneapolis, Kan.	Mar. 9
Mar. 24	Jefferson, Wis.	Mar. 16
Mar. 24	Ottawa, Kan.	Mar. 16
Mar. 25	De Pere, Wis.	Mar. 16
Mar. 25	Missouri	Mar. 16
Mar. 27	Nevada	Mar. 16
Mar. 27	Babylon, N. Y.	Mar. 2
Mar. 27	Jersey City, N. J.	Mar. 9
Mar. 27	Elmira, N. Y. Adv. Mar. 16.	Mar. 16
Mar. 28	Alabama	Mar. 2
Mar. 28	Massachusetts	Mar. 9
Mar. 28	Atchison, Kan.	Mar. 9
Mar. 28	Geneva, N. Y. Adv. Mar. 16.	Mar. 16
Mar. 28	New York Adv. Mar. 9 and 16.	Mar. 16
Mar. 28	Mantorville, Minn.	Mar. 16
Mar. 28	Missouri	Mar. 16
Mar. 29	Alabama	Mar. 2
Mar. 29	Baltimore, Md. Adv. Mar. 16.	Mar. 16
Mar. 30	Missouri	Mar. 16
Mar. 30	Stephens Point, Wis.	Mar. 16
Mar. 31	Tennessee	Mar. 16
Mar. 31	Ottumwa, Ia.	Mar. 16
Mar. 31	Kalamazoo, Mich. Adv. Mar. 9 and 16.	Mar. 9
Apr. 1	Granfield, Okla.	Feb. 2
Apr. 3	Quebec	Mar. 16
Apr. 3	California	Mar. 16
Apr. 4	Bexley (Columbus P. O.). O.	Mar. 16
Apr. 4	Shawano, Wis.	Feb. 23
Apr. 4	Somerville, N. J. Adv. Mar. 9 and 16.	Mar. 9
Apr. 4	Marked Tree, Ark. Adv. Mar. 16.	Mar. 16
Apr. 4	Shawano, Wis.	Mar. 16
Apr. 4	Mound City, Kan.	Mar. 9
Apr. 4	West Virginia Adv. Mar. 16.	Mar. 9
Apr. 5	Topeka, Kan.	Mar. 16
Apr. 6	Minnesota	Mar. 16
Apr. 6	Pensacola, Fla. Adv. Mar. 9 and 16.	Mar. 9
Apr. 7	Eldorado, Kan.	Mar. 16
Apr. 10	Hinton, W. Va.	Mar. 16
Apr. 10	Salem, N. J. Adv. Mar. 16.	Mar. 16
Apr. 11	Southern Pines, N. C. Adv. Mar. 16.	Mar. 16
Apr. 13	Abilene, Kan.	Mar. 16
May 15	Pipestone, Minn.	Mar. 9

INDUSTRIAL WORK

Mar. 20	Camden, N. J.	Feb. 23
Mar. 20	Cleveland, O.	Mar. 16
Mar. 20	Albany, N. Y.	Mar. 9
Mar. 20	St. Paul, Minn.	Mar. 9
Mar. 22	Phila., Pa.	Mar. 9

BUILDINGS

Mar. 20	Richmond, Va.	Mar. 9
Mar. 20	Brownsville, Pa.	Mar. 9
Mar. 20	Winnipeg, Man.	Mar. 9
Mar. 20	Grass Valley, Cal.	Mar. 9
Mar. 20	Ann Arbor, Mich.	Mar. 9
Mar. 20	Nashville, Tenn.	Mar. 16
Mar. 20	Ft. Wayne, Ind.	Mar. 16
Mar. 20	Memphis, Tenn.	Mar. 9
Mar. 20	Phila., Pa.	Mar. 16
Mar. 20	Cudahy, Wis.	Mar. 16
Mar. 21	Carthage, N. C.	Feb. 23
Mar. 22	Chippewa Falls, Wis.	Mar. 2
Mar. 22	Cumberland, Md.	Mar. 9
Mar. 23	Detroit, Mich.	Mar. 16
Mar. 24	Parsons, Kan.	Mar. 9
Mar. 27	Nashville, Tenn.	Mar. 16
Mar. 27	Jersey City, N. J.	Mar. 16
Mar. 28	Springfield, Mo.	Mar. 9
Mar. 28	Scudders Falls (Wilburtha P. O.), N. J.	Mar. 16
Mar. 31	Morgantown, W. Va.	Mar. 2
Mar. 31	Cape Girardeau, Mo.	Mar. 16
Apr. 1	Phila., Pa.	Mar. 16
Apr. 1	St. Louis, Mo.	Mar. 9
Apr. 1	Wilmington, Del.	Mar. 9
Apr. 3	Crown Point, Ind.	Mar. 9
Apr. 3	East St. Louis, Ill.	Mar. 16
Apr. 4	Merrill, Wis.	Mar. 16
Apr. 4	Madison, Wis.	Mar. 16
Apr. 5	Rockford, Ill.	Mar. 2
Apr. 5	Carthage, N. C.	Mar. 16
Apr. 10	Columbia, Mo.	Mar. 16

FEDERAL GOVERNMENT WORK

Mar. 20	Pumping Unit—Chesapeake City, Md. Adv. Feb. 23 to Mar. 16.	Feb. 23
Mar. 20	Steel Hull — Montgomery, Ala. Adv. Mar. 2 to 16.	Mar. 2
Mar. 21	Extension to Workroom, etc. —Laredo, Tex.	Mar. 2
Mar. 21	Steel Hull — Vicksburg, Miss. Adv. Mar. 9 and 16.	Mar. 9
Mar. 22	Coal—Memphis, Tenn. Adv. Mar. 9 and 16.	Mar. 9
Mar. 22	Operating and Power Building, etc.—Tatoosh, Wash.	Feb. 16
Mar. 23	Dredge Tender—Wilmington, N. C. Adv. Feb. 23 to Mar. 16.	Feb. 23
Mar. 23	Boilers, etc. — Prescott, Ariz.	Mar. 9
Mar. 24	Buildings, etc. — Hoffman Island, N. Y.	Mar. 2
Mar. 27	Dredge Pipe—New Orleans, La. Adv. Mar. 9 and 16.	Mar. 16
Mar. 28	Post Office—Salem, Va.	Mar. 9
Mar. 29	Equipment—Boston, Mass.	Mar. 9
Mar. 29	Equipment — San Diego, Cal.	Mar. 9
Mar. 29	Extension to Workroom, etc. —Salem, Ore.	Mar. 9
Mar. 30	Rope—Memphis, Tenn. Adv. Mar. 9 and 16.	Mar. 9
Apr. 3	Galvanized Wire, etc. — Memphis, Tenn. Adv. Mar. 16.	Mar. 16
Apr. 6	Dredge Pontoons, etc.—Phila., Pa.	Mar. 16
Apr. 10	Hospital—Palo Alto, Cal.	Mar. 9
Apr. 10	Mechanical Equipment — Palo Alto, Cal.	Mar. 9
Apr. 11	Steel Hull — Nashville, Tenn. Adv. Mar. 16.	Mar. 16
Apr. 12	Extension — Puget Sound, Wash.	Mar. 9
Apr. 12	Gun Shed, etc.—San Diego, Cal.	Mar. 9
May 1	Bridge—Nenana, Alaska. Adv. Mar. 16.	Mar. 16

MISCELLANEOUS

Mar. 20	Portland Cement, etc.—St. Paul, Minn.	Mar. 9
Mar. 20	Road Oil — New Ulm, Minn. Adv. Mar. 16.	Mar. 16
Mar 20	Stone, Sand, Lumber, etc.— Phila., Pa.	Mar. 16
Mar. 20	Steel, etc.—St. Paul, Minn.	Mar. 16
Mar. 21	Bituminous Cold Patch Material—Kentucky	Mar. 16
Mar. 21	Road Oiling — Baltimore, Md. Adv. Mar. 9 and 16.	Mar. 16
Mar. 21	Sweeper and Truck—Green Bay, Wis.	Mar. 16
Mar. 22	Portland Cement—Milwaukee, Wis.	Mar. 16
Mar. 23	Road Materials — Towson, Md.	Mar. 16
Mar. 24	Pier—Phila., Pa. Adv. Mar. 9 and 16.	Mar. 9
Mar. 27	Sweepers—Montreal, Que.	Mar. 16
Mar. 27	Bituminous Materials—Lansing, Mich.	Mar. 16
Mar. 28	Supplies—Toronto, Ont.	Mar. 16
Mar. 28	Station—Brooklyn, N. Y. Adv. Mar. 16.	Mar. 16
Mar. 29	Subway—Rochester, N. Y. Adv. Mar. 9 and 16.	Mar. 9
Mar. 31	Subway—Cincinnati, O.	Mar. 16
Apr. 4	Wharfs, etc.—Miami, Fla.	Mar. 16

Bids Close		See Eng. News-Record
Apr. 5	Scrapers, etc. — St. Cloud, Minn.	Mar. 16
Apr. 11	Electric Gantry Cranes — Rochester, N. Y.	Mar. 16
Apr. 12	Foundations — Lincoln, Neb. Adv. Mar. 16.	Mar. 16
Apr. 29	Cable and Accessories — Melbourne, Australia Adv. Mar. 16.	Mar. 16

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Binghamton—Broome Co. plans extending mains from Front St. to county farm. $15,000. Address L. B. Edwards, Lisle.

N. Y., Turin—Plans to vote on $15,000-$20,000 bonds for new water supply system.

N. Y., Ogdensburg—Bd. Pub. Wks. plans extending and improving water supply system. $100,000.

W. Va., Wheeling—Having plans prepared 300 ft. 12 in. c.i. pipe across Ohio River at Main St. $40,000. H. H. Conrad, City Bldg., city engr.

Ill., Downers Grove—Making plans 4-6 in. c.i. mains. $25,000. J. S. Lozier, Downers Grove, engr.

Ill., Lake Forest—Making plans 6 in. c.i. mains. $27,000. N. N. Campbell, 4 Market Sq., engr.

N. C., Conover—Plans waterworks and sewerage systems. $50,000. Spoon & Lewis, Greensboro, engrs.

Ill. McHenry—Making plans 4-6 in. c.i. mains. $34,000. Wells Eng. Co., 344 1st Natl. Bank Bldg., Aurora, engrs.

W. Va., Grafton—March 28, to vote on $100,000 bonds extending waterworks and constructing filtration plant. T. H. Cathor, mayor.

W. Va., Wheeling—To vote on $2,000,000 bonds for rapid sand filtration system, new mains and improvements to waterworks. M. Knowles, Jones Law Bldg., Pittsburgh, Pa., engr.

O., Cleveland—Cuyahoga Co. had plans prepared for high pressure pumping station and 1¼ mi. 12-16 in. c.i. mains in Chestnut Hill Dist. State Rd. $45,000. R. F. MacDowell, Court House, engr.

O., Germantown—Making plans 65,000 ft. 4-12 in. mains and deep well system. $100,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs. Noted Nov. 17.

O., Grove City—Soon lets contract for pumping station. $75,000.

Wis., Madison — Having preliminary sketches made for portable pumping outfits with capacity of at least 1,000 gal. per minute. E. E. Parker, City Hall, engr. Noted Jan. 19.

Neb., Culbertson—Sold $15,000 bonds laying 4,000 ft. 4-6 in. mains. Hershley & Merick, Brownell Blk., Lincoln, engrs.

Neb., Comstock—Soon to vote on $24,858 bonds for waterworks. C. D. Wardrop, village clk. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

N. D., Jamestown—Plans filtration plant. $40,000. C. E. McElroy, city clk.

N. D., Fargo—Having plans prepared remodeling and repairing filtration plant, installing reservoir, settling basin and pumping station. $40,000. R. T. Jacobsen, city engr.

Tex., Millsap—Having surveys made to investigate feasibility of increased water supply. McClendon & Furnell, Wylie Bldg., Mineral Wells, engrs.

Cal., San Francisco—City and San Francisco Co. having plans prepared Irvington Springs Aqueduct, incl. pipe line, 60 ft. in diameter, either riveted or welded steel pipe; tunnel connecting with Crystal Springs reservoir; 2,460 ft. submerged pipe at Dumbarton crossing. It has not been decided whether to construct tunnel by contract or by day labor. Bids will probably be called for furnishing and installing pipe with alternatives for furnishing pipe only and installation only. $5,000,000. M. M. O'Shaughnessy, city engr.

Ont., Kincardine—Having plans prepared filtration plant. $35,000. W. Welsh, Box 202, engr.

Ont., Woodbridge — Having plans prepared waterworks system, incl. pumps, 4 and 6 in. c.i. pipe, water tank, hydrants, etc. $40,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., New York—March 22, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ft. Washington Ave., Manhattan; Gun Hill Rd. Cannon Pl., Brook, Jerome, Tremont, University, Manhattan, Bogart, Buhre, Cranford, Cromwell, Davidson, Dean, Hobart, Hone, Mace, Murdock, Pierce, Puritan, Sackett, Van Nest, Waldo and Yates Aves., East 143rd, East 177th, West 177th, East Belmont, Whittier, East 222nd, East 241st, West 188th, West 242nd and West 244th Sts., Bronx.

N. Y., Fredonia—Fire and Water Comn. receiving bids 25 ton 4 in. water pipe, $46 per ton, and ½ ton pig lead, $6.25 per cwt.

Pa., Erie—Taking bids for 20,000 gal. concrete storage tank and 40 hp. tubular horizontal return boiler. F. G. Lynch, city engr.

W. Va., Fairmont—March 28, to vote on $150,000 bonds for new filtration plant. S. B. Miller, city engr. Noted Jan. 5.

N. C., Lexington—April 6, by J. A. Leonard, mayor, and Town Comrs., improving waterworks. G. C. White Co., Durham, engrs.; adv. this issue.

N. C., Southern Pines—See "Streets and Roads."

Wis., Waupaca—April 1, by F. A. Houseman, city clk., rein.-con. open well, 30 ft. diameter, 36 ft. deep. W. G. Kirchoffer, Vroman Blk., Madison, engr.

S. D., Watertown—March 30, by G. K. Burt, secy. Pub. Utilities Comn., 2 motor-driven pumping units, one about 750 gal. per minute and other about 500 gal. per minute, with piping, wiring, etc. W. F. Cochrane, city engr.

Neb., Lincoln—April 1, by T. Berg, city clk., installing steam and water lines in power house, pipe valves and fittings for cooling pond equipment. $20,000. G. Bates, Lincoln, engr.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. opened bids March 1, 7,150 ft. 8-16 in. c.i. mains in State Rd., from Langenhan Constr. Co., Marshall Bldg., $50,000; Gangl Constr. Co., 737 2nd Natl. Bldg., Akron, $52,000. Noted Feb. 23.

Tex., El Paso—Opened bids March 9, 275 ton 12 in. and 200 ton 6 in. bell and spigot c.i. pipe, from Colorado Fuel & Iron Co., 840 17th St., Denver, $48.40 per ton; U. S. Cast Iron Pipe Co., 2100 St. Louis Ave., Birmingham, Ala., $50.40; Amer. Cast Iron Pipe Co., Birmingham, Ala., $50.40. Noted March 2.

CONTRACTS AWARDED

Pa., Phila.—Pumping station to Kober Constr. Co., 34 South 17th St., $23,409; laying water pipe to J. J. McHugh, 1430 South Penn Sq., $15,566. Noted Mar. 2.

N. C., Asheville—Extending watermains to Howerton-Tirsway Co., Asheville, $51,739. Noted Feb. 2.

O., Grove City—For 20,000 ft. 4-10 in. c.i. mains, etc., to J. C. O'Brien, Lima, $31,800. Noted Feb. 16.

Wis., Kilbourn—One 60,000 gal. steel tank on 60 ft. tower, 80,000 gal. steel tank, 19 x 35 ft. high, hemispherical bottom erected on old stone tower, to Chicago Bridge & Iron Wks. 2101 Old Colony Bldg., Chicago. Noted Feb. 16.

Kan., Howard—Complete waterworks system and water purification plant, to Smith Graham Constr. Co., Augusta, $44,196. Noted Feb. 16.

Kan., Sabetha—For 3 mi. pipe line and developing springs, incl. one concrete building 12 ft. in diameter, 315 ton 6 in c.i. pipe, 50 yd. concrete, etc., to Asplund Constr. Co., Tecumseh, Neb., $12,371. Noted Feb. 16.

Que., St. Anne de Beaupre—For 1 story, 40 x 80 ft. rein.-con. reservoir, 320,000 gal. capacity, to Laganiere & Houde, Grondines, $20,000.

Sewers

PROPOSED WORK

N. Y., Syracuse—Bd. Contract & Supply takes bids within 2 months sewers in South Salina, Lester, Atlantic, Belle and Hobart Sts., 12-30 in. concrete or vitr. pipe, $55,500; East Fayette St., Beattie and Seely Rd., etc., 8-24 in. pipe, $51,005; east branch of 17th Ward Trunk Sewer, Sect. J, 24-36 in. pipe. $40,905. T. W. Mather, city engr.

Pa. Erie—Plans disposal system incl. disinfecting house intercepting sewers, grit chambers and submerged outfall sewers. $1,000,000. F G. Lynch, city engr.

N. C., Conover—See "Waterworks."

N. C., Boxboro—Having surveys made for sewerage system. $40,000. Spoon & Lewis, Greensboro, engr.

N. C., West Asheville (Asheville P. O.)—Plans 8.5 mi. sewers. $50,000. R. J. Sherrill, city comr.

Mich., Detroit—Plans 2,905 ft. Moran Ave. Arm of McDougall Ave. Sewer in Leland and Moran Aves.; 925 ft. Selden Ave. Arm of 3rd St. Sewer in Selden from Gibson to Greenwood Aves.; 1,148 ft. Norfolk Ave. Arm of Livernois Ave. Sewer in Norfolk from Livernois to Picadilly Aves.; 1,558 ft. Pembroke Ave. Arm of Livernois Ave. Sewer in Pembroke Ave. from Livernois to Stratford Aves.; 1,316 ft. Coon Ave. Arm W. in Coon Ave. from Wyoming Ave. to alley east of Ohio Blvd.; 2,679 ft. Midland Ave. Arm of Livernois and Linwood Ave. Sewers in Midland Ave.; Raymond Ave. extension in Raymond Ave. from Edgewood to Grinnell Aves.; vitr. crock, vitr. segmental block, brick or monolithic. C. W. Hubbell, city engr.

Ill., Harvard—Plans 14-36 in. vitr. tile sewers. $30,000. Engineer not selected.

Ill., Marengo—Making plans 10-14 in. vitr. tile sewer, $30,000. A. L. Webster, Court House, Wheaton, engr.

Ill., McHenry—Making plans sanitary sewerage system and disposal plant. $85,000. Wells Eng. Co., 344 1st Natl. Bank Bldg., Aurora, engrs.

Ill., West Chicago—Making plans 10-14 in. vitr. tile sewer. $60,000. Wells Eng. Co., 344 1st Natl. Bank Bldg., Aurora, engrs.

Ia., Sioux City—Plans 22,555 ft. 12-83 in. storm sewers, 1,200 ft. concrete lined open ditch, 149 catchbasins, etc., $40,000. F. A. Garnsey, clk.

Minn., New Richland — Making plans sanitary sewerage system. $30,000. A. O. Lea, clk. L. P. Wolff, 1001 Guardian Life Bldg., St. Paul, engr.

Kan., Wichita—Having plans prepared sanitary sewer extensions in Dists. 1, 2 and 3. 21,035 lin.ft. 8 in. pipe, 67 manholes, and 9,446 lin.ft. 12-15 in. sub-mains, 47 manholes. $40,000. P. L. Brockway, City Hall Bldg., engr.

Neb., Lyons—Plans sanitary sewers. $50,000. Grant, Fulton & Letton, Bankers Life Bldg., Lincoln, engrs.

Neb., Omaha — Having plans prepared laying 8-24 in. vitr. tile sewers, in Dist. 738. $60,000. H. Beal city engr.

Mo., St. Joseph—Making plans laying 8 in. vitr. tile sewers in 12th St., Grand Ave and in alley. $30,000. W. K. Seitz, City Hall, engr.

Ont., Listowel—Plans sewerage system. $60,000. J. W. Sangster, Lestowel, engr.

BIDS DESIRED

N. J., Red Bank—March 31, by State Hy. Comn., Trenton, storm water drain, here.; adv. this issue.

Pa., Harrisburg—Taking bids and opens same within month, 24 in. terra cotta sanitary sewer in Paxton Creek and 11th St. Dist from Delaware St. to Cameron and 17th Sts. $25,000. M. B. Cowden, City Hall, engr.

N. C., Southern Pines—See "Streets and Roads."

Tenn., Memphis—March 28, at office of C. C. Pashby, city clk., City Hall, sanitary sewers; adv. this issue.

O., Columbus—March 21, by W. H Duffy, dir. Pub. Serv., sewer in Olentangy Blvd., $40,000; Glenola Heights Addition. $6,000; 1st and 2nd Aves., $5,000. R. H. Simpson, City Hall, engr. Noted Nov. 24.

Ia., Ames—April 17, outfall sewers and sewage treatment plant. P. F. Hopkins, city mgr. of eng.; adv. this issue.

Kan., Coffeyville—March 28, by C. Potteck, city clk., sewers and disposal system in Sewer Dist. 5, 4,600 ft. 12-15 in. sewer, 15,200 ft. 8 in. lateral sewer, 45 manholes, 7 regular pattern flush tanks, 8 special pattern flush tanks, 3,700 ft. 3-in. galvanized water line, 1,000 cu.yd. rock excav.

Neb., Lincoln—March 25, by Sanitary Dist. 1, 8,000 ft. 10 in. and 10,000 ft. 12 in. vitr. clay sewers. Scott & Scott, Bankers Life Bldg., engrs.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., opened bids March 8, remodeling sewer outfalls, Sect. 2-B of Biological Plant, 26th Ward Disposal Works, between Wortman Ave. and Jamaica Bay and between Miller and Schenck Aves., from A. M. Hazell, Inc., 26 Cortlandt St., New York, $96,121, Gustin Morris Contg. Corp., $125,425, Phoenix Constr. Co., 41 Park Row, New York, $127,921; dredging outfall drainage canal, Sect. 2-A of Biological Plant, 26th Ward Disposal Works between Fairfield Ave. and Jamaica Bay and between Miller and Schenck Aves., from Amer. Pipe Constr. Co., 112 North Broad St., Phila., $0.24 per cu.yd., $48,000, P. Sanford Ross, Inc., $0.275, $55,000, Atlantic Gulf & Pacific Co., 13 Park Row, New York, $0.278, $55,600. Noted March 2.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, 68 Hunterspoint Ave., opened bids March 6, sewers in (1) Junc-

Sewers (Continued)

tion Ave. from Maurice Ave. to Ivy St., Hanover Ave. from Berry Ave. to Ivy St., Horton St. from Junction Ave. to Toledo St., and in Ivy St. from Junction Ave. to Toledo St., 2nd Ward, (2) Grove St. from Fairview to Forest Aves., 2nd Ward, receiving basins in (3) 14th St. and Ely Ave., (4) Liberty Ave. and 120th St., from M. Paino & Co., 32 Court St., Brooklyn, (1) Proposal A, $36,698; H. J. Mullin Contg. Co., Fulton St., Jamaica, (1) Proposal A, $37,479, (4) $360; G. L. Schrade, (1) Proposal A, $37,644; F. Spinella, 6102 18th Ave., Brooklyn, (1) Proposal B, $30,235, (2) $3,441; J. Gallo, 203 Division Ave., Brooklyn, (1) Proposal B, $31,902, (2) $4,061, (3) $960; J. F. Clancy, Inc., 460 Lockwood St., Astoria, (1) Proposal B, $33,421; Peace Bros., Inc., 20 Main St., Flushing, (2) $4,189, (3) $1,065; Kennedy & Smith, Inc., 93 Amity St., Flushing, (3) $749, (4) $345; M. J. Rush, (4) $390. Noted March 2.

N. J., Paterson—Passaic Valley Sewerage Comrs., 128 Market St., Newark, opened bids March 7, sewer connections between 4th Ave., Prospect, Bridge and Straight Sts., here, from R. Diorio & Co., Waterbury, Conn., $29,028; Culp Co., Inc., 412 East 37th St., $29,914; J. Maggi Co., Paterson, $32,525. Noted Feb. 16.

Pa., Phila.—For branch sewers in (1) 21st St., Buist and 67th Aves., (2) Comly and Howell Sts., (3) Packer St., (4) Lebanon Ave., (5) 52nd and Diamond Sts., (6) Montgomery Ave., (7) 66th Ave. N., from E. Leva, 3851 North 10th St., (1) $22,850; G. Delise, 4842 North Lithgow St., (1) $25,743; A. DeSandro & Son, 3906 North 5th St., (1) $33,890, (2) $3,830, (4) $7,070; F. Bernadi, 1913 Mifflin St., (2) $3,943, (4) $3,690; J. Moss, 1652 Wakeling St., (2) $3,849; C. G. Conan, 133 North Vogdes St., (3) $19,592, J. J. McHugh, 1617 Race St., (3) $23,506, (6) $4,080, (7) $28,850; J. Lombardi, Lincoln Bldg., (3) $24,961; F. T. Buckins, 4050 Kensington Ave., (4) $9,050, (6) $6,219; F. Joffoea, 1203 Tree St., (5) $8,942.; A. DeVito, 1721 South Hocks St., (5) $9,162; M. Mattia, 263 North Simpson St., (5) $10,583, (6) $7,359; D. Peoples, 742 East Penn St., (7) $27,991; E. T. Bemmis, 641 East Chelten Ave., (7) $29,203. Noted March 2.

O., Akron—E. A. Ziesloft, dir. Pub. Serv. opened bids March 8, 2,000 ft. 96-114 in. brick section of Wolf Ledge Run Sewer, from T. E. McShaffrey, Forge St., $168,041; E. and W. McShaffrey, Rhoades Ave., $183,340. Noted March 2.

Mich., Springwells—For 2,029 ft. 13 ft. 7 in. x 17 ft. 9 in. arch, in Sect. 3 Trunk Storm Sewer, from G. Thurston, 13851 Van Dyke Ave., Detroit, $224,000, R. Mercier, Grand River Ave., Detroit, $230,000, Oakwood Constr. Co., 165 Fort Blvd., Detroit, $232,300; 5,208 ft. 9 ft. 6 in. and 10 ft. cylinder, Sect. 4, Trunk Storm Sewer, from Lyons Constr. Co., Lansing, $178,980, A. Tobin, 449 West Columbia Ave., Detroit, $182 460, Oakwood Constr. Co., 165 Fort Blvd., Detroit, $196,998. Noted Feb. 23.

CONTRACTS AWARDED

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sewage treatment plant and pumping station, incl. necessary equipment and machinery in West and Marginal Sts. near intersection with Canal St., to Riverdale Constr. Co., 1440 Bway., $349,754. Noted Jan. 5.

Ga., Cedartown—H. Watkins, mayor and City Council, 6 mi. 8-15 in. sewers, to Dysard Constr. Co., Austell Bldg., Atlanta. $42,000. Noted Feb. 16.

O., Zanesville—For southwestern sewerage system, to E. and W. McShaffrey Co., Rhoades Ave., Akron, $66,521.

Kan., Howard—Lateral sewers and disposal plant, to Reed & Wheelock, Clay Center, $75,745. Noted Feb. 16.

Wyo., Casper—For 3.5 mi. 8-15 in. vitr. tile sewers in Sanitary Sewer Dist. 10, Sandbar Dist., to Gordon Constr. Co., Barclay Bldg., Denver, Col., $37,723; 2,000 ft. concrete revetment, 18 ft. wide, 90,000 ft. wire cable, etc., also 1,000 ft. earth dam, 33 ft. at maximum height, 33,000 cu.yd excav., to J. V. Stryker & Co., 1507 Blake St., Denver, Col., type A, $15,706 and $9,290 respectively. Noted Feb. 16.

Bridges

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, plans to reconstruct steel highway bridge over Housatonic River. $25,000. C. J. Bennett, comr.

N. Y., Hewitville (Potsdam P. O.)—St. Lawrence Co. (Canton) plans bridge over Racket River, here, to replace 2 span iron highway and industrial railroad bridge carried away by flood March 7. $30,000-$50,000 Address N. E. Clark, Jr., Potsdam.

N. Y., Potsdam—St. Lawrence Co. (Canton) had plans prepared 2 concrete bridges over Racket River, here. $85,820. E. J. Doyle, Albany, consult. engr. Address N. E. Clark, Jr., Potsdam.

Fla., Bradentown — Manatee Co. plans bridging Miakka River and minor creeks, 100 ft., concrete. $25,000. McElroy Eng. Co., 32-34 McGiddens Bldg., Tampa, engrs.

Ill., Highland Park (Joliet P. O.)—Bd. Local Impvts. making plans 170 ft. steel truss bridge, concrete piers and abutments, 30 ft. roadway, two 5 ft. sidewalks, on Sheridan Rd., $100,000. J. L. Fyfe, 109 North Dearborn St., Chicago, engr.

Nebraska—Bd. Pub. Wks., Brownell Blk., Lincoln, plans two 18 x 22 ft., one 75 ft. and two 30 ft. I beams and one 20 ft. truss, steel, Project 102 A, Sioux Co.; one 20 x 125 ft. through truss and two 20 x 30 ft. I beam approaches, steel, concrete piers and abutments, Project 118 B, Jefferson Co.; two 20 x 40 ft. pony trusses, two 18 x 20 ft. approaches, three 16 x 20 ft. and one 24 x 24 ft. concrete I beams, steel and concrete, Project 156 A, Hamilton Co.; two 16 x 20 ft. and two 20 x 20 ft. I beams, steel, Project 156 B, Hamilton Co.; five 50 ft. concrete arch, Project 14 B, Hoyt and Boyd Counties; one 16 x 20 ft., two 18 x 20 ft., one 20 x 20 ft., four 20 x 28 ft. I beams, steel, Project 86 A, Polk and Butler Counties. J. R. Carnahan, office engr.

Missouri—State Hy. Dept., Jefferson City, plans one 50 ft. and one 55 ft. pony truss and two 20 ft. rein.-con. slab spans, on road from New Hampton eastward and westward, Federal Aid Project 50, Harrison Co. $26,430. A. Graham, state highway engr.

Ont., London—Middlesex Co. having plans prepared and takes bids in June, for 2 concrete and steel bridges, one 150 ft. long, 4 ft. roadway, the other two 75 ft. spans, 18 ft. roadway, in Middlemiss and McGillivray. $30,000. C. Talbot, Co. Bldgs., engr.

BIDS DESIRED

Maine—March 29 by State Hy. Comn., Augusta, construction Androscoggin River Bridge, in town of Gilead and Sandy River Bridge, in town of Strong, both steel. P. S. Sargent, ch. engr.; adv. this issue.

W. Va., Lewisburg—April 4, by Comrs. Greenbrier Co., constructing Howards Creek and Spring Creek Bridges. J. W. Rader, co. engr.; adv. this issue.

Ga., Bainbridge—March 24, by Decatur Co. Comrs. Roads and Revenues, ½ mi. bridge over Flint River, 340,000 lb. steel, 410 cu.yd. sand fill, 6,200 cu.yd. concrete, 1,382 lin.ft. concrete railing, 3,700 cu.yd. excav., 2,346 sq.yd. 5 in. concrete paving, 4,100 sq.yd. vitr brick paving, 92 sq.yd. drain inlets, 1,810 lin.ft. concrete curbing, 960 sq.yd. concrete sidewalks. W. R. Neel, State Highway Dept., Atlanta, engr.

Fla., Pensacola—April 6, by Comrs. Escambia Co., one 42.5 ft. and one 140 ft. rein.-con. deck girder bridges, on Gulf Beach Highway. $30,000. W. E. Wheat, 1524 East Blount St., engr.

Alabama—April 11, by State Hy. Dept., Montgomery, constructing .638 mi. bridge on Bee Line Highway between Birmingham and Montgomery, Jefferson and Shelby Counties, to have one 120 ft. steel span, ten 30½ ft. concrete girder spans and 3,000 ft. earth approach, etc.; 397 ft. bridge, Bee Line Highway between Decatur and Birmingham, Cullman and Blount Counties, one 180½ ft. steel span and two 102½ ft. spans on piers in place. W. S. Keller, state highway engr.

Tennessee—March 31, by Dept. Highways, Nashville, bridge on State Highway 5 over Sequatchie River, near Whitewell, Federal Aid Project 72-B, Marion Co., to have four 26 ft. concrete approach spans, two 20 ft. and one 99 ft. steel truss spans. D. Q. McComb, ch. engr.

O., Shadesville—April 10, by Franklin Co. (Columbus) approaches to steel bridge (now under construction) 9 mi. south of Columbus. $75,000. Braun, Fleming, Knollman & Prior, 232 South High St., Columbus, engrs. Noted Dec. 22.

Mich., Detroit—March 31, by Comrs. Wayne Co., operators houses and inclosure walls for double leaf bascule bridge crossing River Rouge at Fort St. W., incl. ornamental hand rail, light posts, cut stone, granite or precast. $35,000. H. A. Shuptrine, 1103 Real Estate Bldg., engr. Noted Dec. 8.

Wis., Kenosha—March 20, by Street Assessment Comm. bridge on Middle St., new concrete abutments and approaches also taking up and lowering 24 in. water main across river at Middle St. $45,000-$50,000. B. C. Brennan, City Hall, engr.

Ia., Adel—March 20, by Auditor Dallas Co., 15 box culverts an alternate designs of 1 through truss and 1 through girder 140 ft. span. State Hy. Comn., Ames, engrs.

Ia., Ottumwa—March 30, by Auditor Wapello Co., 52 box culverts, 7 culvert extensions, one 100 ft. through truss and one 80 ft. pony truss bridge. W. C. Wyman, co. engr.

Tex., Belton—March 28, by J. W. Sutton, judge Bell Co., rein.-con. bridges on Meridian Highway (State Highway 2), 2,403.3 cu.yd. concrete, 341,757 ton reinforcing, 2,915 cu.yd. dry and 1,329 cu.yd. wet structural excav. $68,500. S. J. Treadway, co. engr.

Ontario—March 22, by W. H. Maund, secy. treas., Temiskaming & Northern Ontario Ry., North Bay, 2 steel railway bridges over Abitibi River, one is 1,180 ft. long, consisting of two 40 ft., two 60 ft. and 2 65 ft. deck plate girders, two 182 ft. and two 234 ft. deck trusses, 11 mi. north of Cochrane, other one 600 ft. long, one 35 ft., three 55 ft. and one 85 ft. deck plate girders, two 150 ft. deck trusses, 47 mi. north of Cochrane. $1,300,000. S. B. Clement, ch. engr.

BIDS RECEIVED

Tex., Livingston—Polk Co., 456 ft. bridge over Trinity River to have three 150 ft. steel spans, 18 ft. roadway, concrete floor on one 30 ft. abutment and two 80 ft. and one 66 ft. piers with pile foundation, one approach consisting of four 18 ft. panels, concrete pile trestle with 40 ft. piles, from Blodgett Constr. Co., Shreveport, La., $76,748; General Constr. Co., 403 Cotton Exch. Bldg., Ft. Worth, $87,396; Illinois Steel Bridge Co., Box 351, Dallas, $89,732.

CONTRACTS AWARDED

Conn., Bridgeport—Removing abutments, piers, etc. of old East Washington Ave. Bridge over Pequonnock River, and dredging channel, 100 ft. long, 18 ft. wide, to Bridgeport Dredge & Dock Co., 1024 Main St. $45,000.

Fla., Bradentown—Comrs. Manatee Co., 45 bridges and 101 culverts, concrete, Manatee Oneco Dist., to Finley Method Co., Graham Bldg., Jacksonville, $71,520. Noted Mar. 9.

Kan., Marion—Mraion Co. Bridge 119, 80 ft. span rainbow concrete arch, to Southern Kansas Constr. Co., Yates Center, $9,944; Bridge 120, 80 ft. steel truss, to Yancy Constr. Co., Abilene, $8,637; Bridge 121, three 20 ft. slabs, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, Mo., $6,401. Noted Feb. 23.

Missouri—State Hy. Dept. at div. office Houston, 5 rein.-con. bridges on Federal Aid Project 90, Sect. B, Texas Co., to M. E. Gillioz, Monett, $21,204. Noted March 9.

Dams

BIDS DESIRED

Wis., Peshtigo—Mach 28, by Oconto Service Co., Oconto, 200 ft. coffer dam which is in 4-8 ft. water, 750 cu.yd. concrete, 25,000 lb. reinforcing, 2 steel tainter gates, generator, switchboard. Mead & Seastone, State Journal Blk., Madison, engrs. Noted Feb. 9, under "Miscellaneous."

BIDS RECEIVED

N. Y., Ilion—Bd. Water Comrs. opened bids March 9 earthen dam and pipe line, from L. D. Sullivan, Inc., 502 Genesee St., Utica, $121,807; Sweeney & Boland, 318 E and B Bldg., Rochester, $124,464; Chennango Constr. Co., Albany, $125,207. Noted Feb. 9.

CONTRACTS AWARDED

N. Y., Watertown—Northern New York Utilities, Inc., 58 Public Sq., excavation and foundations for dam and power house, at Browns Falls, to Burns Eng. Co., Bank Bldg., $90,000.

Wyo., Casper—See "Sewers."

Railways

PROPOSED WORK

Ohio—See "Streets and Roads under Columbus."

North Dakota—Great Northern Ry., 175 East 4th St., St. Paul, Minn., plans to ballast, surface and lay heavy steel tracks from Ralston to Roach, 19 mi., $100,000, from Spring Brook to Williston, 11 mi., $300,000, also 1 story, 40 x 300 ft. car repair shop at Minot with 1¼ mi. track to shops. $85,000. A. H. Hogeland, ch. engr.

Excavation and Dredging

PROPOSED WORK

Minn., Bemidji—Beltrami Co. plans to build 200 mi. Judicial Ditch 37, main and laterals. $300,000. W. M. Everts, Bemidji, engr.

Minn., Bemidji—Beltrami and Koochiching Co. rejected bids opened March 8, redigging 7 mi. Ditch 36, Lateral 2, and County 1914 State Rd. 2 (part of Ditches 5 and 36). $26,000. Noted Feb. 23.

Ia., Bloomfield—Davis Co. making plans for open ditch, Fox River D.D. 3, 411,851 cu.yd. excav., $41,185. H. E. Hansel, Bloomfield, engr.

Ia., Red Oak—Montgomery Co. rejected bids opened March 7, 6 mi. open ditch, D.D. 8, 242,000 cu.yd. excav. Work will be readvertised. Noted Feb. 9.

Mont., Hamilton — Bitter Root Irrigation Dist. had report made for rehabilitating Ravalli Water Company's irrigation system, incl. Como Dam, $30,000; division dam, $15,000, pipe lines $47,800; flumes No. 1-25, $528,400; flumes No. 0 to 4A, $9,000; canal protection, $126,000; pickups, $15,000; turnouts, $15,000; general work, $35,000; buildings and telephone, $50,000; engineering and contingencies, $87,120; total, $958,320. Comrs. Bitter Root Irrigation Dist. recommended authorization of $1,140,000 bond issue for above reconstruction work. A. E. Walsh, ch. engr.

BIDS DESIRED

N. C., Lincolnton—March 25, by T. F. Cline, chn. Drainage Dist., draining 10 mi. Howards Creek and its tributaries. $50,000.

CONTRACTS AWARDED

N. Y., Watertown — Excavation — See "Dam."

Va., Norfolk—Dredging and filling 750,000 cu.yd. at Seawalls Point, in connection with proposed city terminal, to Atlantic Gulf & Pacific Co., Chesterfield Blvd., $0.1789 per cu.yd., total about $151,535. Noted March 9.

Wis., Milwaukee—Comr. of Pub. Wks. dredging rivers, channels, etc., (for the season), to Great Lakes Dredge & Dock Co., 216 West Water St., $.28½ per cu.yd., total about $35,000.

Wis., Neillsville—Jackson Co. D. D. opened bids March 2 360,000 cu.yd. open ditch, 12,000 ft. 12 in., 13,000 ft. 10 in. and 7,000 ft. 6-8 in tile, to Rood Constr. Co., Wisconsin Rapids. $65,000.

Streets and Roads

PROPOSED WORK

New York—State Hy. Comn., Albany, apportioned $247,234 for repairing highways in Albany Co.; $216,952 Rensselaer Co.; $162,947 Alleghany Co.; $175,725 Broome Co.; $83,633 Cattaraugus Co.; $45,675 Cayuga Co.; $65,280 Chatauqua Co.; $125,438 Chemung Co.; $165,640 Chenango Co.; $53,700 Clinton Co.; $75,724 Columbia Co.; $94,495 Cortland Co.; $137,550 Delaware Co.; $188,027 Dutchess Co.; $355,785 Erie Co.; $90,000 Essex Co.; $64,145 Franklin Co.; $49,740 Fulton Co.; $41,655 Genesee Co.; $138,932 Greene Co.; $31,570 Hamilton Co.; $86,995 Herkimer Co.; $137,481 Jefferson Co.; $128,670 Lewis Co; $195,403 Livingston Co.; $115,960 Madison Co.; $270,510 Monroe Co.; $101,849 Montgomery Co.; $34,643 Nassau Co.; $112,075 Niagara Co.; $228,069 Oneida Co.; $204,435 Onondaga Co.; $162,637 Ontario Co.; $271,483 Orange Co.; $45,000 Orleans Co.; $88,107 Oswego Co.; $91,420 Otsego Co.; $55,810 Putnam Co.; $62,293 Rockland Co.; $168,476 St. Lawrence Co.; $160,115 Saratoga Co.; $95,110 Schenectady Co.; $46,370 Schoharie Co.; $35,925 Schuyler Co.; $25,275 Seneca Co.; $257,297 Steuben Co.; $62,493 Suffolk Co.; $76,655 Sullivan Co.; $85,973 Tioga Co.; $77,577 Tompkins Co.; $212,935 Ulster Co.; $44,500 Warren Co.; $101,900 Washington Co.; $43,605 Wayne Co.; $191,643 Westchester Co.; $50,000 Wyoming Co.; $38,957 Yates Co. H. S. Sisson, comr.

N. Y., Dansville — March 21 to vote on $60,000 bonds to pave Lackawanna Hill Rd. J. Stiegler, village pres.

N. Y., Norwich—Making plans paving West Park Pl., East Main and Court Sts. $30,000. R. J. Wait, city engr.

N. Y., Rochester—Monroe Co. plans constructing 5 mi. Lehigh Sta. Rd., 16 ft. Cost to exceed $150,000. G. Wright, Rochester, engr.

N. Y., Syracuse—Bd. Contract & Supply plans paving Spencer and Salina Sts., vitr. brick or asphalt, $118,109, estimate based on sand stone block; Oak St. from Roby to Manlius Sts., vitr. brick or asphalt, $60,505, estimate based on sand stone; Spring St. from Pond to Court Sts., virt. brick or asphalt, $67,347, estimate based on vitr. brick; Pattison St. from Stuart to Vine Sts., vitr. brick or asphalt, $24,624, estimate based on vitr. brick; East Adams St. from Almond to South Crouse Sts., vitr. brick or asphalt, $35,320, estimate based on vitr. brick; East Colving St. from tracks of Delaware, Lackawanna & Western R.R. to Nottingham Rd., vitr. brick or asphalt, $71,316, estimate based on vitr. brick; resurfacing Belden Ave. from Sand to Liberty Sts., vitr. brick or asphalt, $41,289, estimate based on sand stone block; East Brighton Ave. to city line, vitr. brick or asphalt, $33,057; Crouse Ave. from Fayette to University Sts., vitr. brick or asphalt, $29,500. T. W. Mather, city engr.

N. Y., Utica—Plans paving Symonds Pl., Brinckeroff, Churchill, Mildred, Trenton, Meeker and Melrose Aves., Maple and John Sts.; resurfacing Whitesboro and Bleecker Sts. R. S. Cookingham, city engr.

Virginia—Plans grading and soil surfacing 4.82 mi. road between Vernon Hall and Pittsylvania Co. line, 20 ft., Virginia Project 152 Halifax Co. $25,000. G. P. Coleman, highway comr.

Virginia — Portsmouth-Norfolk Co. authorized $50,000 bond issue for roads in Butts Road Dist. R. B. Preston. co. engr.

Va., South Norfolk (Norfolk P. O.)— Soon takes bids paving various streets. $300,000 bonds sold. M. T. Madrin, clk.

W. Va., Fairmont—Marion Co. to vote April 11, on $391,000 bond issue improving Grafton, Bentons Ferry and Hopewell Rds. F. J. Wilfong, co. engr.

N. C., Graham—Alamance Co. having surveys made various roads. $1,000,000. Spoon & Lewis, Greensboro, engrs.

N. C., Greensboro—Plans paving portions Bellemeade, Ashe, Wilson, Courtland and Simpson Sts., concrete or asphaltic. $50,000. P. C. Painter, city mgr.

Fla., Avon Park—To vote on $60,000 bonds to pave various streets.

Fla., Bradentown—Manatee Co. plans 45 mi. shell roads, Miakka Special Rd. & Bridge Dist. $150,000. McElroy Eng. Co., 32-34 Giddens Bldg., Tampa, engrs.

Fla., Safety Harbor—To vote on $33,000 bonds paving 1 mi. streets, brick. A. E. Shower, clk.

Fla., Williston—To vote on $25,000 bonds constructing roads in Special Tax Dist. 6.

O., Columbus—Columbus Ry., Power & Light Co. plans paving 3rd St., asphalt, $134,727, wood block, $210,752; Front St., $29,000; Main St., $33,000; will also extend number of lines and install double track on 3rd St.

O., Flushing—March 21 to vote on $55,000 bonds to pave 6,460 ft. Flushing and Depot Pikes, Morristown, North West, Rockhill and Wood Sts., vitr. brick. C. E. Merritt, clk.

Ind., Warsaw—Kosciusko Co. plans grading and gravel surfacing 60,123 ft. E. W. Gresso Rd., 20 ft. $62,200.

Mich., Detroit—Had plans prepared widening 1.55 mi. Gratiot Ave., 7280 sq.yd. concrete. State Hy. Dept., 1608 Real Estate Exch. Bldg., engrs.

Mich., Detroit—Plans grading and paving 7,000 sq.yd. Richton Ave. from 12th St. to Linwood Ave., $40,440, 400 sq.yd. Gibson St. from Brainard to Tuscalo Aves., $2,565, 2,100 sq.yd. Yosemite Ave., from Joy Rd. to Ravenswood Ave., $12,520, 300 sq.yd. Stoepel Ave. from Boneparte to Southfield Aves., $7,680, 2,500 sq.yd. Gratiot Ave. from Connors Creek Rd. to Lot 236, $14,920, 5,000 sq.yd. Rosemary Ave. from Gratiot to Roseberry Aves., $29,020, all 3 in. sheet asphalt on 6 in. concrete, stone curbs. C. W. Hubbell, city engr.

Ill., Glencoe—Making plans paving various streets, $81,600. Windes & Marsh, 598 Birch St., Winnetka, engrs.

Ill., Joliet—Making plans paving Mill, Baker and Hobbs Sts., in southeast section of city, rein.-con. on macadam, $34,000. A. S. Calkins, Joliet Natl. Bank Bldg., engr.

Ill., Marion—Making plans paving various streets, Dist. 20, vitr. brick on concrete, $25,000. P. B. Wilson, Court House, engr.

Ill., Villa Park — Making plans paving various streets. $35,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wis., Medford—Having plans prepared concrete paving 16,000-18,000 sq.yd. Wisconsin Ave., Main, Whelen, State, and Division Sts. S. P. Hall, Ingram Blk., Eau Claire, engr.

Wis., Wausau—Having plans prepared paving 10,500 sq.yd. Clarke, Callon and West Washington Sts., rein.-con., integral curb. B. C. Gowen, City Hall, engr.

Ia., Ft. Dodge—Plans 10,000 sq.yd. paving, sheet asphalt, asphaltic concrete or bitulithic, and 17 blocks concrete curbing $30,000. W. L. Tang, clk.

Ia., Perry—Plans paving about 10 blocks $35,000. A. Cross, clk.

Minnesota—State Hy. Dept., St. Paul, rejected bids, opened March 9, State Project 7-28, Federal Aid Project 233 and State Project 15-22, Federal Aid Project 265, Nicollet Co. Noted March 2.

Kan., Atchison — Atchison Co. having plans prepared grading 13 mi. various roads, 30 ft. $150,000. R. Kerr, co. engr.

Nebraska—Dept. Pub. Wks., Bromwell Blk., Lincoln, plans grading 4.24 mi. Project 116 A, Nemaha Co., 9.98 mi. Project 164 B, Nuckolls Co., 6.72 mi. Project 88 C, Saline Co., 4.283 mi. Project 49 D, Burt Co., 11.96 mi. Project 70 A, Stanton Co., 16.63 mi. Project 133 A, Otoe Co., 4.55 mi. Project 164 A, Thayer Co.; grading and clay surfacing 5.11 mi. Project 42 B, Loup Co., 16.168 mi. Project 168 B, Rock Co., 5.55 mi. Project 168 A, Holt Co., 27.85 mi. Project 108, Sheridan Co.; concrete paving Project 76 A, Dawes Co.; clay and gravel surfacing Project 79 A, Morrill Co.; grading and gravel surfacing 11.48 mi. Project 143 B, York Co.; gravel surfacing Project 29, Butler Co.; grading and sand surfacing 1.011 mi. Project 88 B, Dodge Co. J. R. Carnahan, office engr.

Neb., Deshler—Having plans prepared 20,000 sq.yd. paving asphalt, brick or concrete. Grant, Fulton & Letton, Bankers Life Bldg., Lincoln, engrs.

Neb., Valley — Having plans prepared paving 4 mi. Dist. 1, vitr. brick on concrete. $90,000. Henningson Eng. Co., 12th and Harney Sts., Omaha, engrs.

South Dakota—State Hy. Dept., Pierre, making plans gravel surfacing road from Elkton to Brookings, and bridge and culvert work on Black and Yellow Trail, $90,000. E. O. Riley, Pierre, state engr.

N. D., Fargo—Cass Co. having plans prepared grading and graveling roads $25,000. W. B. Stevenson, Court House, engr.

N. D., Fargo—Plans paving various streets, vitr. brick on concrete. $200,000. R. T. Jacobsen, city engr.

N. D., Fargo—Plans paving and curbing Dist. 3, 4 blocks on South 10th St. and 2 blocks on 7th Ave. S., bitulithic, portland cement, concrete or vitr. brick. $30,000. R. T. Jacobson, city engr.

N. D., Schafer—McKenzie Co. appropriated $50,000 improving 25 mi. Parks Highway. H. H. Johnson, aud.

Wyo., Casper—Making plans paving portions Lincoln and Grant Sts., Dist. 17, 34,000 sq.yd. concrete or bituminous pavement, 10,000 cu.yd. excav. $100,000. F. S. Knittle, city engr. Noted Feb. 23.

Missouri—State Hy. Dept., Jefferson City, plans 7.4 mi. road from Preston northward and southward, Federal Aid Project 45, Hickory Co., 29,157 cu.yd. earth excav., 50,525 sq.yd. gravel surfacing, 330.79 cu.yd. concrete masonry, etc., $42,010; 2.694 mi. road from Malta Bend to Marshall, State Aid Project 20.148, Saline Co., 15.666 cu.yd. earth and 5,744 cu.yd. rock excav., 5,521 cu.yd. borrow, 122.9 cu.yd. concrete masonry, etc., $27,127. A. Graham, state highway engr.

Missouri — State Hy. Dept., Jefferson City, plans 6.169 mi. road from New Hampton westward and eastward, Federal Aid Project 50, Harrison Co., 48,006 cu.yd. earth excav., 13,830 cu.yd. borrow, 324.1 cu.yd. concrete masonry, etc. $51,002. A. Graham, state highway engr.

Missouri — State Hy. Dept., Jefferson City, plans 5.06 mi. road from Forsyth to Branson, Federal Aid Project 163, Taney Co., 1,456 cu.yd. earth excav., 18,600 cu.yd. borrow, 32.4 cu.yd. concrete masonry, etc., $14,798; 3.201 mi. road from Princeton to Trenton, State Aid Project 20.145, Mercer Co., 21,953 cu.yd. earth excav., 2,921 cu.yd. borrow, 60.8 cu.yd. concrete masonry, etc., $13,417. A. Graham, state highway engr.

Tex., Bonham—Fannin Co. plans grading and gravel surfacing 8.9 mi. Dodd City-Windom Rd., 16 ft. Rd. Dist. 23. $70,000 bonds voted. A. J. Goode, co. engr.

Tex., Fairfield — Freestone Co. making plans grading 17.22 mi. State Highway 32, 24 ft. $25,000. T. E. Huffman, Denton, co. engr.

Tex., Kaufman—Kaufman Co. making plans grading, gravel surfacing and bridging 10.7 mi. State Highway 40, in Kaufman Precinct, 15 ft. $100,000. Materials to be furnished by county. B. F. Williams, Kaufman, engr. Crandall Road Dist.

Tex., Marlin—Falls Co. making plans grading and gravel surfacing 9.2 mi. State Highway 44, 1.8 mi. south of Chilton to

Streets and Roads (Continued)

McLennan Co. line, 16 ft. $90,000. J. P. Wehrung, Chilton, engr. Rd. Dist. 5.

Tex., McKinney—Collin Co. had plans prepared and soon takes bids surfacing 12.58 mi. Henry Exall Highway 6 from point 4 mi. south of here to Dallas Co. line, 13,319 cu.yd. macadam, 57,885 gal. asphalt, $28,738; grading, surfacing and bridging 10.2 mi. State Highway 5A, in Farmersville Road Dist., 66,200 cu.yd. borrow, 31,242 cu.yd. roadway excav., 1,310 cu.yd. concrete, 6,286 lin.ft. creosoted timber piling, 13,107 cu.yd. shipped gravel, 12,128 cu.yd. local rock base, 30,200 lb. structural and 114,900 lb. reinforcing steel, $147,875; 6.67 mi. State Highway 5A, in Wylie Road Dist., 58,700 cu.yd. borrow, 31,865 cu.yd. roadway, 340 cu.yd. concrete, 8,519 cu.yd. shipped gravel and 11,953 cu. yd. local gravel base, 30,735 lb. reinforcing, $84,000. F. W. Cawthon, co. engr.

Tex., Tyler—Smith Co. making plans grading, gravel surfacing and topping State Highway 37 from here to Cherokee Co. line, 16 ft. $200,000. D. K. Caldwell, co. engr.

Tex., Uvalde—Uvalde Co. making plans grading, gravel surfacing and bridging 16 mi. Highways 3 and 4, from Medina Co. west to Frio River. $136,000. L. W. S. Mantel, co. engr.

Utah—State Rd. Dept., Salt Lake City, plans gravel surfacing 14.44 mi. road from Paragoonah to Muley Point, Federal Aid Project 15, Iron Co., $80,000; 11.51 mi. from Ash Creek to Anderson Ranch, Federal Aid Project 38, $122,652, 4.54 mi. from Washington to St. George, Rd. 39, Washington Co., $77,293; hard surfacing 3.4 mi. from cross roads to Idaho line, Rd. R-29, Cache Co., $108,800; grading and hard surfacing 3.61 mi. from Magna to Garfield, Rd. 91 A, Salt Lake Co., $110,901, 3.34 mi. from Garfield to Tooele, Rd. R 91 B, Tooele Co., $100,527, 4.5 mi. from Brigham to Corinne, Rd. R 90 A, Boxelder Co., $157,500. H. C. Means, state highway engr.

Nevada—State Hy. Comn., Carson City, plans grading 4 mi. Reno-Purdy Rd.; paving 9 mi. Reno-Verdi Rd., 6 in. concrete, 16 ft.; 3 mi. road from Wadsworth to east county line, macadam, 18 ft. G. W. Borden, state hy. engr.

Ariz., Safford—Graham Co. voted $500,000 bonds for 10 road projects, 24 mi. hard surfaced roads and balance of bonds for gravel surfacing. M. Layton, clk.

Cal., Hermosa Beach—Had plans prepared improving Morningside Dr., 30th, 31st and 32nd Sts., 30th and 31st Places, involving 33,107 sq.ft. 5 in. concrete with oil protection coat, 19,290 sq.ft. 4 in. concrete sidewalks, 160 lin.ft. curbs, etc. V. H. Staheli, city engr.

Cal., Oakdale—Soon takes bids constructing various streets, incl. 285,000 sq. ft. paving, (various types) 125,000 sq.ft. grading, 4,900 lin.ft. 5 ft. concrete gutter, 1,800 lin.ft. 24 in. concrete gutter, 2,000 lin.ft. concrete curb, etc. $100,000. H. D. Watts, Modesto, consult engr. G. D. Macomber, city engr.

Cal., Redondo Beach—Had plans prepared improving Ocean Front, involving 42,458 sq.ft. 5 in. and 45,417 sq.ft. 6 in. concrete pavement with oil protection coat, 14,144 sq.ft. 4 in. concrete sidewalks, 3,591 lin.ft. curbs, 1,684 ft. protection wall, etc. $89,373. V. H. Staheli, city engr.

Cal., Richmond—Had plans prepared improving Lincoln and McBryde Aves., 50,000 sq.ft. 4 in. asphaltic concrete, 60,000 sq.ft. concrete sidewalks, 12,000 lin.ft. concrete curbs, 12,000 sq.ft. concrete gutters, 5,000 lin.ft. 6 in. lateral sewers. $59,000. H. D. Chapman, City Hall, engr.

Cal., San Luis Obispo—Supervs. San Luis Obispo Co., rejected bids opened March 6, constructing portions San Luis Obispo-Cambria Rd. Will probably readvertise. Noted Feb. 23.

Cal., Watsonville—Had plans prepared grading, oiling and macadamizing Locust, Palm, Ford, Lincoln and Wall Sts., et al. $62,274. H. B. Kitchen, Watsonville, engr.

Quebec—Provincial Government, Quebec, having estimates made for 260 mi. highway from Quebec to Chicoutini, via Murray Bay.

Ont., London — Having plans prepared paving Wellington St., asphalt concrete with ornamental boulevard down center. $40,000. H. A. Brazier, city engr.

Ont., Simcoe—Making plans paving Argyle, Robinson, Queen and Cedar Sts., concrete. $40,000. Prices wanted on cement. G. R. Marston, Simcoe, engr.

BIDS DESIRED

Connecticut—March 21 by C. J. Bennett, state highway comr., 12 Washington St., Hartford, paving sections of state highway in towns of Colebrook, Farmington, Glastonbury, Milford, Norwalk, Stratford and Westport; adv. this issue.

New York—March 28, by H. S. Sisson, comr. State Hy. Dept., Albany, repairing highways in Allegany, Chenango, Delaware, Erie, Oneida, Ontario, St. Lawrence and Schenectady Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Brooklyn—March 23, by Park Bd. at office Dept. Parks, Municipal Bldg., New York, grading and paving main roadway of Ocean Parkway between Sea Breeze Ave. and Coney Island Concourse, here, sheet asphalt. F. D. Gallatin, pres.

N. Y., Elmira—March 27, by G. W. Jarchow, city clk., City Hall, repaving Maple Ave. and Lake St., brick or warrenite bitulithic; adv. this issue.

N. Y., Geneva—March 28, by Bd. Pub. Wks. paving various streets, sheet asphalt, asphaltic concrete, bitulithic, bitoslag, brick and rein.-con. H. K. Seybolt, supt.; adv. this issue. Noted March 2.

N. Y., New York—March 22, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving Cortlandt St. from Bway. to Greenwich St. and Cortlandt St. from Greenwich to West Sts., granite block on concrete; 104th St. from 1st to 3rd Aves. also 84th St. from Columbus Ave. to Riverside Dr., sheet apshalt on concrete.

N. J., Salem—April 10, by Salem Co., reconstructing State Highway Route 6, Sect. 9, Salem-Colliers Run, rein.-con. H. B. Keasbey, Salem, co. engr.; adv. this issue.

Md., Baltimore—March 29 by Bd. of Awards, c/o City Register, grading, curbing and paving with sheet asphalt, and vitr. block, streets listed in Contrs. 208-OCNA, 209-OCNA, 210-OANA; adv. this issue.

Va., Big Stone Gap—W. H. Wrenn, chn. Roads Comn., taking bids paving various streets, 34,000 sq.yd. 7 in. concrete on 5 in. base with 2 in. bituminous top. H. E. Fox, engr. Noted Feb. 9.

W. Va., Hinton—April 10, by Comrs. Summers Co., grading 3 mi. Sandstone Rd. $25,000. J. K. McGrath, Fayetteville, engr.

W. Va., Philippi—March 21, by Comrs. Barbour Co., bituminous macadam paving 1.5 mi. Philippi-Belington Rd., Federal Aid Project 27, $40,000; 2 mi. Philippi-Belington Rd., Federal Aid Project 91, $50,000. J. F. Hewitt, clk.

N. C., Southern Pines—April 11, by S. B. Richardson, mayor, and Bd. Comrs., improving streets, water and sewer lines. R. L. Chandler, clk.; adv. this issue.

Fla., Tampa—March 21, 11,000 yd. asphalt block paving and 8,000 ft. concrete curbing. R. Martin, city engr.

Ala., Birmingham—Jefferson Co. receiving bids extending 12 mi. Mulga-Edgewater-Wylam loop to Parkstown, bituminous on reconstructed base, $275,000; constructing 10 mi. Warrior-Robbins Cross Rds., chert, $75,000; 12 mi. road from Elbow to Port of Birmingham, chert, $60,000; 5 mi. Trussville Rd., chert, $50,000; grading 5 mi. Overton Rd., $40,000; grading 6 mi. Bradford-Trafford Rd., $50,000. C. Rogers, co. engr.

Tennessee—March 31, by Dept. Highways, Nashville, surfacing 12.27 mi. State Highway 1, Federal Aid Project 21, between Huntingdon and Camden, Carroll Co., 9,500 cu.yd. common excav., 108,626 sq.yd. 2½ in. bituminous macadam, 108,626 sq.yd. reconstructed base course, 600 cu.yd. chert reconstructed base course; 20.47 mi. Highway 47 between Hohenwald and Summertown, Federal Aid Project 27, Lewis and Lawrence Counties, 168,157 sq. yd. 6 in. chert surfacing. D. Q. McComb, ch. engr.

O., Akron—March 20, by Summit Co. grading and paving 2.7 mi. Akron-Wadsworth Rd., 25,000 cu.yd. earth excav., 25,000 sq.yd. 8 in. concrete or 25,000 sq.yd. 2 in. bituminous concrete on 6 in. concrete. $130,000. J. Weaver, Court House, engr.

O., Bexley (Columbus P. O.)—April 4, by S. W. Roderick, clk., grading, curbing, laying water mains and paving Cassidy Ave., 3,300 ft. long, 30 ft., brick or asphalt, $80,000. Dale Ave., 400 ft. long, 24 ft., brick, asphalt or concrete, $9,000. Plymouth Ave., 400 ft. long, 24 ft., brick, asphalt or concrete. $9,000. Isborne Rd., 2,600 ft. long, 28 ft., asphalt, $60,000. Ashourne Pl., 600 ft. long, 28 ft., asphalt or brick, $12,000.

Mich., West Branch—March 21, by W. A. Crandell, chn. Bd. Rd. Comrs. Ogemaw Co., grading, shaping and surfacing 2.926 mi. Assessment Rd. 5, West Branch Twp., Class B gravel. $30,000.

Ill., De Kalb—March 20, 6,874 yds. vitr. brick on concrete, and 12,925 sq.yd. asphaltic concrete resurfacing. $32,976 and $46,487 respectively. W. M. Hay, city engr.

Wisconsin—March 22, by Wisconsin Hy. Comn., at div. office 1, Madison, grading and paving 2.24 mi. Madison-Dodgeville Rd., Federal Aid Project 156, Dane Co., 9,342 cu.yd. earth and 2,008 cu.yd. rock excav., 190 cu.yd. borrow, 44.7 cu.yd. concrete culverts, 66 bbl. cement in place; 6.1 mi. Madison-Cambridge Rd., Federal Aid Project 112, Dane Co., 22,014 cu.yd. earth and 665 cu.yd. rock excav., 303 cu.yd. borrow, 392 cu.yd. concrete culverts, 590 bbl. cement in place.

Wis., Appleton—March 20, by Outagamie State Road and Bridge Comm. paving 18,814 sq.yd. Seymour-Angelica Rd. and 18,814 sq.yd. Stephensville-Shiocton Rd., 16 ft. concrete. A. G. Brusenwitz, comr.

Wis., De Pere — March 25, by W. Matthews, clk., paving 1.2 mi. 9th, 8th, Brich, Main, Grant, Front and James Sts., 40,000 sq.yd. sheet asphalt or concrete, one course with reinforcing or without, concrete curbs and gutters. $26,000. H. R. Albert, Courthouse, Green Bay, engr. Noted Feb. 23.

Wis., Elkhorn—March 21, by Walworth Co. Road and Bridge Comn., concrete surfacing 8.77 mi. Lake-Geneva-Walworth Rd. from Boyds Corners to railroad track in village of Walworth, 23,779 cu.yd. earth excav., 225.8 cu.yd. concrete in culverts, 89,200 sq.yd. 18 ft. concrete surfacing; 7.65 mi. Elkhorn-Burlington Rd. from here to Spring Prairie, 21,773 cu.yd. earth excav., 70,380 lb. reinforcing, 81,004 sq.yd. 18 ft. concrete surfacing. H. J. Peters, comr.

Wis., Fond du Lac—March 23 by Fond du Lac Co. Road & Bridge Comm., concrete surfacing Fond du Lac-Waupun Rd. from 4½ mi. southwest of here and extending 12.42 mi. southwest along State Trunk Highway 31, Sect. A, 13,547 cu.yd. earth, 100 cu.yd. loose, 50 cu.yd. solid rock and 356 cu.yd. borrow excav., 173.3 cu.yd. concrete in culverts, 10,000 lb. reinforcing, 65,688 sq.yd. concrete, 21,000 bbl. cement in place, Sect. B, 13,136 cu.yd. earth, 200 cu. yd. loose, 50 cu.yd. solid rock and 494 cu. yd. borrow excav., 20,000 lb. reinforcing, 140.6 cu.yd. concrete in culverts, 65,780 cu. yd. concrete surfacing, 21,000 lb. cement in place, also bids on Sects. A and B combined; 4.88 mi. Kewaskum-Waucosta Rd. from Washington Co. line north along State Trunk Highway 55, 14,657 cu.yd. earth and 150 cu.yd. loose rock excav., 814 cu.yd. concrete in culverts and bridges, 51,485 sq. yd. 18 ft. concrete surfacing, 16,500 bbl. cement in place; 7.04 mi. Fond du Lac-Eden Rd. from 6th St. here along State Trunk Highway 55 to Main St. in village of Eden, 22,430 cu.yd. earth, 752 cu.yd. borrow, 200 cu.yd. loose and 50 cu.yd. solid rock excav., 541.5 cu.yd. concrete in culverts and bridges, 75,314 sq.yd. 18 ft. concrete surfacing, 24,100 bbl. cement in place; 6.11 mi. Brandon-Ladoga Rd. from Brandon along State Trunk Highway 103, 11,822 cu.yd. earth and 100 cu.yd. loose rock excav., 178.7 cu.yd. concrete in culverts and bridges, 45,700 lb. reinforcing, 58,721 sq.yd. 16 and 18 ft. concrete surfacing, 18,800 bbl. cement in place; 5.94 mi. Ripon-Rosendale Rd. from 3 mi. east of Ripon along State Trunk Highway 23 to Rosendale, 22,910 cu.yd. earth and 100 cu. yd. loose rock excav., 356.4 cu.yd. concrete in culverts and bridges, 3,600 bbl. reinforcing, 63,010 sq.yd. 18 ft. concrete, 20,000 bbl. cement in place. J. McCullough, co. engr.

Wis., Jefferson—March 24, by Jefferson Co. Road and Bridge Comm., at office of R. D. Royce, co. highway comr., grading and paving 4.6 mi. Jefferson-Johnson Creek Rd., 13,453 cu.yd. excav., 123.3 cu.yd. concrete culverts, 48,176 sq.yd. 18 ft. concrete surfacing, 16,300 bbl. cement in place; 5.1 Jefferson-Ft. Atkinson Rd., 19,050 cu.yd. excav., 174.6 cu.yd. concrete culverts, 56,433 sq.yd. 18 ft. concrete surfacing, 4,936 lin.ft. combined curb and gutter, 19,600 bbl. cement in place, 21,370 lb. reinforcing; 1.95 mi. Jefferson-Cambridge Rd., 4,469 cu. yd. excav., 19.4 cu.yd. concrete in culverts, 20,618 sq.yd. 18 ft. concrete surfacing, 900 bbl. cement in place.

Wis., Milwaukee—March 22, by Milwaukee Co. Road and Bridge Comm. concrete surfacing 2.19 mi. Clement Ave. No. 2 and Old Chicago Rd. No. 1 from Chicago & Northwestern R.R. tracks to Layton Ave., 8,000 cu.yd. earth excav., 150 cu.yd. concrete in culverts, 23,000 sq.yd. 18 ft. concrete surfacing; 1.56 mi. Lovers Lane Rd. from Greenfield to Mukwonage Rds., 4 000 cu.yd. earth and 1,600 borrow excav., 80 cu.yd. concrete in culverts, 17,000 sq. yd. 18 ft. concrete surfacing. F. W. Cavanaugh, Court House Annex, highway comr.

Wis., Racine—March 22, by Road and Bridge Comm., Racine Co., concrete sur-

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facing 7.32 mi. Racine Thompsonville Rd., 23,200 cu.yd. earth and 380 cu.yd. borrow excav., 76,700 sq.yd. concrete surfacing, 98,000 lb. reinforcing 245 cu.yd. concrete in culverts, 25,000 bbl. cement in place. Wisconsin Highway Comm., 444 Milwaukee St., Milwaukee, engr.

Wis., Shawano—April 4, by D. E. Wescott, city clk., paving various streets, 20,600 sq.yd. pavement, rein.-con., sheet asphalt or vitr. block, 13,400 lin.ft. combined concrete curb and gutter, 7,660 cu.yd. excav. L. Pelishek, Clintonville, engr.

Wis., Stevens Point—March 30, by Bd. Pub. Wks. and W. Bronson, city clk., paving full length Spruce, Plover, Pine and Brawley Sts., 1st St. from Clark St. to Normal Ave., Wisconsin St. from Church to Water Sts., North Division St. from Main to Clark Sts., North 2nd St. from North Ave. to city limits, Dixon St. from Division St. to Michigan Ave., 4th St. from Forest Ave. to Prentice St., Center Ave. from Clark to Jefferson Sts., Water St. from Brawley St. to Soo Line tracks, Franklin St. from 1st Ave. to North 2nd St., rein.-con. or vitr. block on natural sand or asphaltic concrete on 5 in. concrete. W. F. Reichardt, Watertown, engr. Noted Oct. 13.

Wis., Wisconsin Rapids—March 23, by Wood Co. State Road and Bridge Comm., grading and paving 1.55 mi. Nekoosa-Port Edwards Rd., 16,400 sq.yd. concrete surfacing, 3,050 cu.yd. earth and 13,237 cu.yd. borrow excav., etc.; 4.65 mi. Wausau-Merrill Rd., Project 281, 10,689 cu.yd. earth, 207 cu.yd. borrow and 1,043 cu.yd. rock excav., 125.68 cu.yd. concrete in culverts, 49,989 sq.yd. 18 ft. concrete surfacing; 5.8 mi. Clintonville-New London Rd., Project 138, 14,591 cu.yd. earth and 72 cu.yd. borrow excav., 252.21 cu.yd. concrete in culverts, 61,041 sq.yd. 18 ft. concrete surfacing; 9.7 mi. Auburndale-Arpin-Vesper-Seneca Corners - Pittsville Rd. from concrete south of Arpin, Sect. A, 4.1 mi., 13,140 cu.yd. earth and 2,401 cu.yd. borrow excav., 47.99 cu.yd. concrete in culverts, 38,041 sq.yd. 16 ft. and 36 ft. concrete surfacing, Sect. B, 5.6 mi., 15,173 cu.yd. earth, 261 cu.yd. borrow excav., 62.04 cu.yd. concrete in culverts, 56,544 sq.yd. 16 and 18 ft. concrete surfacing; 363 mi. Friendship-Kilbourn Rd. Federal Project 279, 20,615 cu.yd. earth excav., 4.66 acres clearing, 94.85 cu.yd. concrete in culverts, 35,002 sq.yd. sand clay surfacing; 2.5 mi. Blenker-Milladore Rd. commencing at west end of concrete in town of Milladore westerly, 5,640 cu.yd. earth excav., 23,622 sq.yd. 16 and 18 ft. concrete surfacing.

Ia., Ottumwa—March 31, by Auditor Wapello Co., grading 17.05 mi. Federal Aid Project 159, primary roads west and north from here, 305,691 cu.yd. earth and 620 cu.yd. rock excav., 4,140 lin. ft. 6-18 in. tile, etc.

Minnesota—April 6, by State Hy. Dept., St. Paul, paving 1 mi. State Project 1-37, Ramsey Co., near White Bear Village, 17,800 sq.yd. concrete, $34,000; 4 mi. State Project 7-30, Federal Aid Project 269, Waseca Co., 46,000 cu.yd. excav.; 6 mi. State Project 42-21, Federal Aid Project 207, Olmsted Co., 100,000 cu.yd. excav.; 17 mi. State Project 8-30, Federal Aid Project 280, Cass Co., 218,000 cu.yd. excav.; 11 mi. State Project 11-21, Federal Aid Project 252, Roseau Co., 158,000 cu.yd. excav., four bridges.

Minn., Mantorville—March 28, by G. L. Taylor, aud. Dodge Co., 7 mi. Job 2201, State Rd. 2, 87,787 cu.yd. earth and 929 cu.yd. solid rock excav., 157,790 cu.yd. overhaul; 7.7 mi. Job 2202, State Rd. 2, 67,291 cu.yd. excav., 143,440 cu.yd. overhaul; 1.1 mi. Job 2203, State Rd. 3, 32,827 cu.yd. excav., 166,000 cu.yd. overhaul, Bridge 3748, 50 ft. steel truss, 20 ft. roadway. $44,000.

Minn., Waseca—March 21, by T. Peterson, aud. Waseca Co., 3 mi. Job. 2202, State Rd. 11, 14,390 cu.yd. excav., 23,905 cu.yd. overhaul; 3 mi. Job. 2203, State Rd. 9, 17,270 cu.yd. excav., 15,280 cu.yd. overhaul; 8 mi. Job 2204, State Rd. 7, 84,760 cu.yd. excav., 142,550 cu.yd. overhaul. $28,000. J. W. Hruska, Waseca, engr.

Minn., Willmar—March 24, by S. Nelson, aud. Kandiyohi Co., Job 2102, State Rd. 2, 10,000 cu.yd. excav., 25,000 cu.yd. overhaul, 600 cu.yd. gravel; Job 2202, State Rd. 5, 80,500 cu.yd. excav., 34,547 cu.yd. overhaul; Job 2203, State Rd. 9, 52,847 cu.yd. excav., 71,262 cu.yd. overhaul; Job 2204, State Rd. 20, 49,865 cu.yd. excav., 49,105 cu.yd. overhaul, 100 cu.yd. loose rock excav.; Job 2205, State Rd. 6, 85,032 cu.yd. excav., 100 cu.yd. loose rock excav., 81,368 cu.yd. overhaul; Job 2206, State Rd. 17, 81,101 cu.yd. excav., 35,094 cu.yd. overhaul, Job 2207, State Rd. 2, 6,000 cu.yd. earth and 100 cu.yd. loose rock excav., 10,000 cu.yd. overhaul, etc. $80,000. H. L. Wadell, Willmar, engr.

Kan., Abilene—April 13, by Bd. Comrs. Dickinson Co. grading, paving and bridging 3.85 mi. Golden Belt Rd. Sects. A, B and C, Federal Aid Project 108, brick, concrete or bituminous concrete. $150,000. L. J. Rees, co. engr.

Kan., Eldorado—April 7, by Clerk Butler Co., grading and surfacing 5.057 mi. Sect. A, Federal Aid Project 90, 29,000 cu. yd. earth excav., 52,800 sq.yd. concrete or vertical fibre brick on concrete. J. H. Austin, co. engr.

Kan., Ottawa—March 24, by Franklin Co. paving 2.079 mi. road and 2 mi. road, both 18 ft., concrete, $60,000 and $50,000 respectively. M. L. Alderman, co. engr.

Kan., Topeka—April 5, by Comrs. Shawnee Co., paving 8.065 mi. Federal Aid Project 6, incl. part Sect. B and all Sect. A and Elmont span, 18 ft. concrete, bituminous concrete or bituminous filled brick. $408,000. R. H. Pennartz, 1813 West St., engr.

Missouri—March 23, by State Hy. Dept. at div. office Carthage, 6.975 mi. road from Avilla eastward and westward, Federal Aid Project 169, Jasper Co. $27,712. A. Graham, Jefferson City, state highway engr. Noted Feb. 2.

Missouri—March 25, by State Hy. Dept. at div. office Nevada, 6.676 mi. road from Nevada eastward and westward, State Aid Project 20.72, Vernon Co., 18,600 cu.yd. earth and 1,650 cu.yd. rock excav., 243 cu. yd. concrete masonry, etc. $25,000. A. Graham, Jefferson City, state highway engr.

Missouri—March 28, by State Hy. Dept. at div. office Gainesville, 21,214 mi. road from Gainesville eastward, Federal Aid Project 111, Sect. B, Ozark Co. $72,146. A. Graham, Jefferson City, state highway engr. Noted March 9.

Missouri—March 30, by State Hy. Dept. at div. office Moberly, 1.549 mi. road from Moberly westward, Federal Aid Project 186, Randolph Co., rein.-con., $61,375, combination concrete header curbing and base course, vitr. brick surface course bituminous filled, $64,930. A. Graham, Jefferson City, state highway engr. Noted March 9.

Ark., Marked Tree—April 4, by Bd. Comrs. Ozark Trail Impvt. Dist., Poinsett Co., 10 mi. rein.-con. pavement. Morgan Eng. Co., Memphis, Tenn., engrs.; adv. this issue.

New Mexico—March 22, by State Hy. Comn., Santa Fe, grading and surfacing 9.804 mi. Escondido-Orogrande Rd., Otero Co., 18,629 cu.yd. excav., 10,710 cu.yd. borrow, 11,504 cu.yd. one course gravel surfacing, 36.59 cu.yd. Class B concrete; 11.884 mi. Deming-Lordsburg Rd., Luna Co., 12,646 cu.yd. excav., 24,972 cu.yd. borrow, 13,945 cu.yd. one course crushed stone surfacing, 117.5 cu.yd. Class A and 98.5 cu.yd. Class B concrete, 5,535 lb. reinforcing; grading, surfacing and building bridges on 12.14 mi. Carlsbad-Lovington Rd., Lea Co., 26,138 cu.yd. excav., 3,038 cu.yd. one course crushed caliche, 56.35 cu.yd. Class A and 105.06 cu.yd. Class B concrete; 7.803 mi. Horace-McCarty Rd, Valencia Co., 20,509 cu.yd. excav., 31,388 cu.yd. borrow, 9,110 cu.yd. one course crushed stone, 286.1 cu. yd. Class A and 102.77 cu.yd. Class B concrete, 21,030 lb reinforcing bars L. A. Gillett, state highway engr.

New Mexico—March 23, by State Hy. Comn., Santa Fe, grading and surfacing 5.933 mi. Cuchillo-Hot Springs Rd., Sierra Co., 39,629 cu.yd. excav., 6,961 cu.yd. one course gravel surfacing, 153.12 cu.yd. Class A and 165.04 cu.yd. Class B concrete; grading, surfacing and building bridges on 17.741 mi. Las Vegas-Watrous Rd., San Miguel Co., 25,391 cu.yd. excav., 20,866 cu. yd. borrow, 27,565 cu.yd. one course crushed stone surfacing, 161.38 cu.yd. Class A and 202.54 cu.yd. Class B concrete; 12.762 mi. Taos-Cimarron Rd., Colfax Co., 31,340 cu. yd. excav., 9,335 cu.yd. borrow, 14,957 cu. yd. one course gravel surfacing, 152.74 cu. yd. Class A and 146.6 Class B concrete, 14,389 lb. reinforcing bars; 33.806 mi. Springer-Gladstone Rd., Colfax Co., 65,672 cu.yd. excav., 48,130 cu.yd. borrow, 14,097 cu.yd. one course crushed stone surfacing, 265.04 cu.yd. Class A and 230.1 cu.yd. Class B concrete, 20,315 lb. reinforcing bars; 19.304 mi. road in Lordsburg, Hidalgo Co., 32,990 cu.yd. excav., 31,287 cu.yd. borrow, 16,693 cu.yd. one course gravel surfacing, 735 cu.yd. Class A and 251 cu.yd. Class B concrete, 21,965 lb reinforcing bars. L. A. Gillet, state highway engr.

Nevada—March 27, by Directors Dept. of Highways, Carson City, grading and gravel surfacing 5.97 mi. State Highway, Route 6, Sect. D-1, Clark Co., 18,940 cu.yd. earth and 2,917 cu.yd. rock excav., 13,499 cu.yd. embankment, 2,442 cu.yd. screen and load gravel, 2,442 cu.yd. haul, gravel, 13,429 cu.yd. gravel spreading, 55 cu.yd. Class B concrete, etc. G. W. Borden, State highway engr.

California—April 3, by State Hy. Comn., Sacramento, paving 12.3 mi. road between Banning and Whitewater, Riverside Co., asphaltic concrete or portland cement concrete. A. B. Fletcher, state highway engr.

Quebec—April 3, by B. Michaud, deputy minister of Rd. Dept., Parliament Bldgs., Quebec, graveling 25 mi. Levis-St. Lambert Highway, 16½ mi. Montreal-Mount Laurier Highway, and 22 mi. Montreal-Sherbrooke Highway. G. Henry, Parliament Bldgs., Quebec, engr.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, Municipal Bldg., opened bids March 6, repaving (1) Willis Ave. from East 134th St. to 3rd Ave., (2) Burnside Ave, from Valentine to University Aves., paving (3) Westchester Ave. from East Tremont Ave. to Eastern Blvd., (4) East 168th St. from Morris to Teller Aves., grading and paving (5) Davidson Ave. from Evelyn Pl. to Fordham Rd., grading, etc., (6) Houghton Ave. from point about 250 ft. east of Zerega to Pugsley Aves., (7) Aqueduct Ave. W. from West 190th St. to Kingsbridge Rd., (8) Carlisle Pl. from East 211th to East 213th Sts., storm water drain in (9) East 233rd St. from existing sewer near Hutchinson River to Harper Ave., etc., sewer in (10) Oak Point Ave. between Huntspoint and Bryant Aves., from Astoria Contg. Co., 699 Crescent Ave., Astoria, (1) $170,238; Leonard Paving Co., 233 Bway., (1) $173,783, (3) $270,749; O'Rourke Contg. Co., 150 Nassau St., (1) $176,510; Spadaro Contg. Co., 827 East 217th St., (2) $83,785, (6) $33,001; P. J. Kearns Contg. Co., 2306 Creston Ave., (2) $84,299, (4) $14,069, (6) $40,308, (8) $6,485; Burnside Contg. Co., 270 Burnside Ave., (2) $85,505, (4) $14,152; Regan Towers Co., 124 West 121st St., (3) $270,916; J. Meehan & Son, 74 Cortlandt St., (3) $272,446; Casper Helbock Co., Harlem River and 150th St., (4) $13,745; C. D. Beckwith, Inc., 2875 Bway., (5) $19,309; Asphalt Constr. Co., 208 Bway., (5) $23,659; Interboro Asphalt Co., 233 Bway., (5) $23,887; Ames Transfer Co., 3437 Kingsbridge Ave., (6) $36,689; Estates Contg. Co., 270 East Burnside Ave., (7) $17,436; M. Delbalso, 660 East 221st St., (7) $18,011, (8) $6,281; Slattery Eng. & Constr. Co., 10 East 43rd St., (7) $18,809; C. E. Farrell Contg. Co., (8) $7,119; Garifnao Contg. Co. and C. Petrillo Co., 434 North High St., Mt. Vernon, (9) $84,714; Anita Constr. Co., (9) $101,892; Fordham Contg. Co., (9) $111,830, (10) $19,475; J. L. Sigretto & Co., Woodhaven, (10) $15,471; Norton Eng. & Contg. Co., (10) $19,129. Noted March 2.

Va., Virginia Beach—Grading and concrete paving 8,100 ft. Atlantic Ave. from 17th St. to Beach Casino, (a) grading, (b) paving, from J. U. Addenbrooks Sons, Inc., 125 East 24th St., Norfolk, (a) $.40 per cu.yd., (b) $1.95 per cu.yd.; L. Lawson, 46 Lafayette Blvd., Norfolk, (a) $.75, (b) $1.98; Tolson & Johnson, Norfolk, (a) $.40, (b) $1.99. Noted March 2.

Fla., West Palm Beach—Comrs. Palm Beach Co., constructing (1) 20 mi. road bed along south bank of Palm Beach Canal, (2) paving Military Trail from Palm Beach Canal south to Lake Worth Rd., (3) hard surfacing 3 mi. road north of Canal Point to Pahokee, (4) road from Belle Glade to Lee Co. line, (5) 9¾ mi. from Belle Glade north; from Adams Evans Constr. Co., Atlantic Bank Bldg., Jacksonville, (1) $0.18 excavating muck, $0.65 excavating rock and sand; H. C. Daniels, West Palm Beach, (2) $58,750; Greynolds & Monroe, West Palm Beach, (2) $59,340; Maule Paving Co., Ojus, (2) $35,900, (3) $29,500 and $15 per lin.ft. for bridging, (4) $0.33 per cu.yd., (5) $0.33 per cu.yd.; T. McBryan, West Palm Beach, (4) $0.34 per cu.yd., (5) $0.34 per cu.yd. Noted Mar. 2

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids March 6, grading, bridging and paving roads with (a) rein.-con., (b) Kentucky rock asphalt, (c) bituminous concrete, (d) bituminous macadam asphalt, (e) bituminous macadam tar in following counties: Defiance Co., Sect. "A" Defiance-Paulding Rd., 5.226 mi., from D. M. Roach, Defiance, (a) $145,240, (b) $144,680, (c) $138,619, (d) $111,876, (e) $114,399; N. B. Putnam, Van Wert, (a) $147,676, (b) $142,898, (c) $149,457, (d) $117,668, (e) $118,173; R. Daoust, Defiance, (a) $149,788; Blauser & Schultz, Paulding, (b) $129,542, (d) $107,335, (e) $106,325.

Streets and Roads (Continued)

A. G. Pugh, Columbus, (c) $159,875. Highland Co., Sect. "Q" Hillsboro-Washington Rd., 3.91 mi., from S. B. Craig, Blanchester, (d) $70,698, (e) $70,698; W. H. Ringwold & Sons, Chillicothe, (d) $75,545, (e) $75,433; O. M. Junk, Chillicothe, (d) $77,854, (e) $77,854. Fulton Co., Sect. "R" Bryan-Wauseon Rd., 3.359 mi., from Homeberger-Wager Co., Feick Bldg., Sandusky, (a) $87,550; Westrick, Krauss & Shrieves, Napoleon, (a) $87,575; Le Baiteaux & Hayes, Toledo, (a) $87,911. Geauga Co., Sect. "W-2" Chagrin Falls-Greenville Rd., 4.429 mi., from W. I. Thompson & Co., 5103 Euclid Ave., Cleveland, (a) $123,786; King Bridge Co., East 69th St., Cleveland, (a) $125,318; P. Drake & Sons, Marion, (a) $127,073. Geauga Co., Sect. "V-2" and "W-1" Chagrin Falls-Greenville Rd., 4.946 mi., from W. I. Thompson & Co., 5103 Euclid Ave., Cleveland, (a) $138,430; McDermott & Hannon, Niles, (a) $138,906; P. Drake & Sons, Marion, (a) $141,208; Greene Co., Sect. "P" Dayton-Chillicothe Rd., constructing rein.-con. beam bridge, from John K. Spencer, Lebanon, $1,965; H. W. Tizzard, Dayton, $1,983; Jeffries & Fudge, Xenia, $2,094. Noted March 2.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids March 8, grading, bridging and paving road with (a) asphaltic macadam oil, (b) asphaltic macadam lake, (c) tar macadam, in following counties: Hardin Co., Sect. "C" Marysville-Kenton Rd., 5.285 mi., from McArthur & Co., Kenton, (a) $120,491, (b) $130,639, (c) $123,259; Scioto Constr. Co., Kenton, (a) $125,249, (b) $137,549, (c) $127,094; Losey Rd. Constr. Co., Kenton, (a) $128,151, (b) $140,452; C. V. Rector, Muncie, Ind., (c) $124,549. Monroe Co., Sect. "F" Woodsfield-Sistersville Rd., 3.48 mi., from E. Pinney & Son, Ravenna, (a) $124,446; W. M. Gray, Columbus, (a) $141,819, (b) $141,819, (c) $141,814; H. N. Snyder, Columbus, (a) $143,800, (c) $143,800; B. C. Stringer Co., Rayland, (b) $144,293, (c) $143,723; Russell Bros., West Austintown, (b) $146,652. Noted March 2.

Wis., Kenosha—Road and Bridge Comm. Kenosha Co., opened bids March 9, concrete surfacing (1) Kilbourn Rd., (2) Geneva Rd., from Liberty Eng. & Constr. Co., 127 North Dearborn St., Chicago, (1) $45,697; Brennan & Bounsell, Kenosha, (1) $45,981; E. B. Wade Constr. Co., Kenosha, (1) $46,304, (2) $110,679; J. E. Gillespie, 197 Cherry Ave., Oshkosh, (2) $106,295; E. G. Russell, Kenosha, (2) $108,437. Noted March 2.

Wis., Waukesha—Waukesha Co. State Road and Bridge Comm., opened bids March 7, concrete surfacing Genessee-Eagle Rd., State Trunk Highway 59, from P. C. Kroeck, 1,000 Humboldt Ave., Milwaukee, $156,449; Universal Eng. Co., Ingram Bldg., Eau Clair, $161,725. F. Doherty, 753 47th St., Milwaukee, $162,997; Prospect-Mukwonago Rd., State Trunk Highway 61, from McGucken Constr. Co., 425 East Water St., Milwaukee, $160,641, States Imprvt. Co., 10 South La Salle St., Chicago, $166,915. Fruemming Bros., 1326 Humboldt Ave., Milwaukee, $169,422. Noted March 2.

Utah—State Rd. Comn., Salt Lake City, grading and paving 1.37 mi. road through Springville, Federal Aid Project 37, 14,453.45 sq.yd. concrete, from Reynolds Ely Constr. Co., Springville, $42,564; Palfreyman & Miller, $44,439; H. C. Gilkenson, Ness Bldg., Salt Lake City, $45,735. Noted Feb. 23.

Washington—State Hy. Dept., Olympia, opened bids Feb. 28, clearing, grading and surfacing 9.7 mi. Inland Empire Highway from Dodge to Pomeroy, Garfield Co., 71,910 cu.yd. common, 38,070 cu.yd. loose rock and 27,960 cu.yd. solid rock excav., 85,020 cu.yd. overhaul and 13,950 cu.yd. crushed rock, from Bauers & Bauers, Dayton, $112,145; Pacific Coast Paving Co., Perkins Bldg., Tacoma, $114,262. Noted Feb. 16.

Wash., Seattle—Opened bids March 3 paving 20th Ave. W., 59,000 cu.yd. excav., 6,000 cu.yd. sub grading, 31,000 sq.yd. 7 in. concrete paving, 10,400 lin.ft. curb and 38,100 sq.yd. concrete walk, (a) iron culvert clay pipe, (b) concrete culvert clay pipe, from Olympic Constr. Co., 1326 Northlake Ave., (a) $177,406, (b) $176,551; Fiorito Bros., 3950 6th Ave., N. W., (a) $186,492, (b) $186,778; J. L. Smith, Pioneer Bldg., (a) $188,251, (b) $188,251.

California—State Hy. Comn., Sacramento, grading and graveling 10.98 mi. from San Lucas to 2¾ mi. east of Long Valley School, Monterey Co., (1) 56,500 cu. yd. excav., (2) 24,500 cu.yd. gravel surface, (3) 198 cu.yd. Class A portland cement concrete, culverts and monuments, (a) with corrugate metal pipe, (b) with rein.-con. pipe, from Redman & Page & Co., Balboa Bldg., San Francisco, (1) $0.50, (2) $2.27, (3) $25, total with (a) $97,049, with (b) $101,484; W. A. Dontanville, Hollister, (1) $0.60, (2) $3.87, (3) $25, total wih (a) $143,927, with (b) $147,280; Blumkranz & Vernon, Stockton, (1) $0.69, (2) $4.40, (3) $28, total with (a) $160,499, with (b) $166,813.

Cal., Fairfield—Supervs. Solano Co. grading and paving, asphaltic concrete, 6.5 mi. road between Suisun and Cordelia, from United Constr. Co., Vallejo, $127,356; McGillivray Constr. Co., Capitol Natl. Bank Bldg., Sacramento, $129,718; Pacific States Constr. Co., Call Bldg., San Francisco, $144,117. Noted Feb. 23.

CONTRACTS AWARDED

Connecticut—State Hy. Dept., Hartford, 9,700 ft. one course plain cement concrete highway, Ridgefield, to Portland Constr. Co., Portland, $50,000. Noted Feb. 9.

N. Y., New York—J. Miller, pres. Manhattan Boro, repaving roadway of 5th Ave., etc., to Asphalt Constr. Co., Madison Ave. and 137th St., $46,448; roadway of Chambers St., to J. Meehan & Son, 74 Cortlandt St., $12,793; roadway of 3rd St., to M. I. Sachs, 246 South 9th St., Brooklyn, $24,885. Noted March 2.

N. Y., Batavia—Paving 2.1 mi. Ellicott St., concrete, to Brookville Concrete Eng. Co., Belfast. $62,209.

N. Y., Corning—Bd. Pub. Wks. rein.-con. pavement with integral curb and 2 concrete slab bridges, to Tyne & Willey, Binghamton, $82,287. Noted Feb. 23.

N. Y., Hornell — Dept. Pub. Wks. will pave Cottage Ave., Grand, Washington, Allen and North Church Sts., brick; Adsit Pl., Hornell St. and Chaddock Ave., macadam; Bemis Ave., concrete; curbs and gutters on Park and Davenport Sts. Work will be done by day labor. $100,000. F. H. Robinson, city engr.

N. J., Mays Landing—Bd. Freeholders Atlantic Co., Guarantee Trust Bldg., Atlantic City, reconstructing 41,726 sq.yd. Smithville-Mullica River (Sect. 9), Ocean Highway, State Highway, Route 4, bitulithic, to C. H. Earle, 173 Main St., Hackensack, $374,533. Noted Feb. 16.

N. J., Salem—Salem Co., Court House, reconstructing 70,328 sq.yd. Route 6, Sect. 10, Quinton-Marlboro, gravel, to Masterson Constr. Corp., 15 East 40th St., New York, $79,793; 29,847 sq.yd. Route 6, Sect. 11, Salem-Quinton, rein.-con., to J. F. Burke, 309 Park Ave., Plainfield, $111,833. Noted Feb. 16.

N. J., Sea Girt—W. H. Crammer, mayor and Boro Council reconstructing 1st Ave., The Crescent and Washington Blvd., to T. H. Riddle, New Brunswick, $69,953. Noted Feb. 16.

Pennsylvania—**State Hy.** Dept., Harrisburg, Route 299 and Application 1248, Bradford Co., to A. W. Hinaman, 373 Windsor St., Akron, O., $260,924; Applications 1246 and 1303, Bradford Co., to Horn & Devling, Galeton, $291,758, and $80,329 respectively; Application 1787, Sect. 2, Clearfield Co., to Burnside Constr. Co. Inc., Burnside, $81,392; Application 1787, Sect. 3, Clearfield Co., to Burd Constr. Co., Cresson, $146,954; Application 1776, Clearfield Co. and Route 248, Jefferson Co. to Matthews Bros. Constr. Co. Inc., 1133 Fermon Ave., Pittsburgh, $164,664 and $138,379 respectively; Application 1774, Clearfield Co., to W. D. Guncheon, Smethport, $52,123; Application 1438, Clearfield Co., to Gifford & Pritchard, Philipsburg, $27,305; Route 210, McKean Co., to P. B. Colgan, Eldred, $150,973. Noted March 9.

W. Va., Bluefield—Paving 54,000 sq.yd. various streets and alleys, asphalt, to Federal Asphalt Paving Co., Main and D Sts., Hamilton, O., $96,000. Noted Feb. 9.

N. C., High Point—Paving 50,000 sq.yd. asphalt, to R. G. Lassiter & Co., Citizens Natl. Bank Bldg., Raleigh, $200,000.

N. C., Shelby—Curbing, guttering and topeka paving on 5 in. concrete, 8 mi. various streets, to Asheville Paving Co., Asheville, $248,860. Noted Feb. 16.

South Carolina—State Hy. Dept., Columbia, sand clay surfacing 12.123 mi. Walterboro-Branchville Rd., Colleton Co., to H. B. Hoppendeitzel, Casualty Bldg., Macon, Ga., $31,967. Noted Feb. 23.

Fla., Bradentown—Comrs. Manatee Co. grading and paving 55 mi. Manatee-Oneco Rd. Dist., 10 mi. asphalt and 45 mi. shell, to Finley Method Co., Graham Bldg., Jacksonville, $280,130. Noted Mar. 9.

Fla., Ft. Myers—Paving 1 mi. road in Dean subdivision, 8,500 sq.yd. concrete on present shell base, to J. G. Yeats, Port Tampa, $2.95 per yd.

Fla., Lake City—Comrs. Columbia Co., grading and clay surfacing, 19 mi. Lake City-Ft. White Rd., 16 mi. Lake City-Lulu and Lake City-White Springs Rds. and 19 mi. Lake City-Benton and Ft. White-Mikesville Rds., to Patterson & Hunter, White Springs, $29,000, $22,000 and $29,000 respectively. Noted Feb. 23.

Ohio — Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Coshocton Co., Sect. "F" Newcomerstown-Coshocton Rd., 4.184 mi., brick, to W. C. Brode Co., Newcomerstown, $129,995. Crawford Co., Sect. "K" Columbus-Sandusky Rd., 2 2.034 mi., brick, to A. J. Baltes, Norwalk, $75,098. Franklin Co., Sect. "A" Columbus-Millersburg Rd., 3.64 mi., tar macadam, to A. W. Burns & Co., Stoneman Bldg., Columbus, $93,600. Huron Co., Sect. "Monroeville" Bellevue-Norwalk Rd., 0.61 mi., brick, to Modern Constr. Co., Fremont, $21,946. Lucas Co., Sect. "H-3" Toledo-Wauseon Rd., 2.15 mi., rein.-con., to Warner & McKetchnie, Toledo, $54,870. Madison Co., Sect. "West Jefferson" Columbus-Cincinnati Rd., 0.3 mi., bituminous macadam, to McDaniel & Co., Dayton, $4,751. Seneca Co., Sect. "E" Columbus-Sandusky Rd., 3.88 mi., bituminous macadam asphalt, to Laubis Stone Co., Upper Sandusky, $71,595. Lorain Co., Sect. "O-2" Medina-Elyria Rd., 1.56 mi., rein.-con., to Lane & Freeman, Newman Stern Bldg., Cleveland, $39,938. Noted Feb. 23, March 2 and 9.

O., Cleveland—Grading, curbing and paving Mt. Overlook Ave. and East 121st St. from East Blvd. to Woodland Ave., to Burnett & Hathaway, c/o Pavers Exch., Society for Savings Bldg., $19,372; East 99th and East 97th Sts., to Enterprise Paving & Constr. Co., 8444 Bway., $11,196 and $5,485 respectively; West 94th St., to Freshwater Constr. Co., Natl. Bldg., $33,407; East 119th St., to A. M. Pejsa, Euclid Heights Blvd., Cleveland Heights, $6,426. Noted March 2.

O., Youngstown—Mahoning Co. paving 3.2 mi. Sect. "D" I. C. H. 502, 11,584 cu.yd. earth excav., 29,971 sq.yd. concrete, 382 ft. 12-30 in. rein.-con. and 910 ft. 12-18 in. corrugated iron pipe, to T. W. Miller & Sons, East Evergreen Ave., $89,733.

Michigan—State Hy. Dept., Lansing, grading and surfacing 4.773 mi. Assessment Dist. Rd. 321, Washentaw and Monroe Counties, to A. McDonell, Omer, $45,745. Noted Jan. 26.

Mich., Bessemer—State Hy. Dept., at office Bd. Rd. Comrs. Gogebic Co., grading and surfacing 9.651 mi. State Trunk Line Rd. 28-6, Sect. B, to W. S. Peters, Wakefield, incl. 509 sta. grading $7.50; 10,000 sq.yd. bituminous macadam, $1.21, and 80,508 sq.yd. bituminous macadam, $1.19, etc., total $112,756. Noted Feb. 9.

Ill., Abingdon — Paving Main, Pearl, Meek and Martin Sts., brick on concrete, concrete curbs and gutters, to Graham-King Constr. Co., 550 South Cedar St., Galesburg, $150,000. Noted May 19.

Ia., Davenport—For 11,316 ft. 24-42 in. sanitary sewers and pumping station in Duck Creek Dist. 11, to Matthes Coal & Constr. Co., 1810 Bowditch St., $163,000. Noted Jan. 26.

Ia., Ottumwa—Paving 25 blocks East Main St., to Central Eng. Co., 711 Putnam Bldg., Davenport, $75,520. Noted Feb. 9.

Minnesota—State Hy. Dept., St. Paul, paving 2.6 mi. State Project 27-26, Federal Aid Project 267, Benton and Sherburne Co., to Johnson, Drake & Piper, Inc., 809 First Natl. Soo Line Bldg., Minneapolis, $62,010, grading and culverts, to S. J. Groves & Sons Co., Globe Bldg., Minneapolis, $6,266 and $5,155 respectively; 8 mi. State Project 1-31, Federal Aid Project 255, Lake Co., to C. R. McLean, 307 First Natl. Bank Bldg., Duluth, $80,826, culverts to Chernus Constr. Co., 309 Hennepin Ave., Minneapolis, $21,857; grading 14.5 mi. State Project 1-30, Federal Aid Project 258, Lake and Cook Co., Bridges, 3,439 and 3,440 and culverts, to Foley Bros., 209 Gilfillan Bldg., St. Paul, $192,870; grading 6 mi. State Project 20-24, Federal Aid Project 253, Fillmore Co., to Baumgardner & McMenemy, 301 Central Bank Bldg., St. Paul, $49,784, culverts to Chernus Constr. Co., 309 Hennepin Ave., Minneapolis, $4,174, bridges to Babcock Bros., Winnebago and Sanitor Constr. Co., 3,050 4th Ave., S. Minneapolis, $26,261; grading 9 mi. State Project 20-25, Federal Aid Project 250, Fillmore Co., to A. C. Dixon, 320 Central Bank Bldg., St. Paul, $43,923, culverts to Chernus Constr. Co., 309 Hennepin Ave., Minneapolis, $10,169, bridges to W. T. Baxter, Cedar Rapids, Ia., H. F. Garbish, Austin, and Hennepin Bridge Co., 922 Laurel Ave., Minneapolis, $31,875; grading 9 mi. State Project 29-22, Federal Aid Project 262, Douglas Co., to C. Johnson, 506 Harrison St., St. Paul, $31,400, cul-

Streets and Roads (Continued)

verts to Morris Constr. Co., Morris, $10,129; grading and culverts on 12 mi. State Project 30-23, Federal Aid Project 251, Becker Co., to M. W. Barnard & Son, 612 Globe Bldg., Minneapolis, $52,169 and $13,384 respectively; grading and culverts on 7 mi. State Project 8-27, Federal Aid Project 249, Itasca Co., to Pogue, Arundel & Co., Grand Rapids, $34,402 and $7,095 respectively; grading 2 mi. State Project 3-28, Federal Aid Project 263, Todd Co., to Jurgenson Bros., Summit, S. D., $10,108, culverts to Morris Constr. Co., Morris, $4,634. Noted March 2.

Minn., Duluth—Paving 4th St. from 37th to 44th Aves. W., 9,135 sq.yd. concrete, 6,425 lin.ft. concrete curbing, to J. McDonnell, 304 First Natl. Bank Bldg., $38,352.

Minn., Minneapolis—Hennepin Co. paving 8 mi. Rockford Rd. Between Robbinsville and Hamel, warrenite bitulithic, to General Contg. Co., 1228 Plymouth Bldg., $353,313. Noted Feb. 9.

Minn., Willmar—S. Nelson, aud. Kandiyohi Co., 4.5 mi. Job 2201, State Rd. 5, Kandiyohi Co. and State Rd. 8, Pope Co., excav., guard rail, hauling and installing, to Feleen & Smith, Willmar, $28,321 tile drain, cow pass and gravel, to Morris Constr. Co., Morris, $9,165. Noted Feb. 9.

Minn., Worthington—Nobles Co. clearing and grading Worthington-Round Lake Rd., excav., to Luverne Sand and Gravel Co., Luverne, $25,000; culverts, to T. S. Rutz, Pipestone, $2,800; tiling, to J. Smith, Melvin, Ia., $700. Noted Feb. 16.

Kan., Oswego—Comrs. Labette Co., opened bids Feb. 14, excavating, surfacing and bridging 2.206 mi. King of Trails Rd., Sects. F. and G, excavating, filling and culverts, to W. S. Fisher, Oswego, $10,449; bridges to Western Bridge Co., Harrisonville, Mo., $7,995. Noted Jan. 12.

Kan., Wichita—Paving and excavating 13 blocks Topeka Ave., Central Ave. from Mead to Washington Sts. and Central Ave. from Washington to Hydraulic Sts., 14,348 sq.yd. vertical fibre brick, 6,069 cu.yd. earth excav., to Globe Constr. Co., 401 Winne Bldg., pavement $3.81, excavation $0.80; 7 blocks Harrison and Volutia Aves., Spruce and Kellogg Sts., 8,456 sq.yd. concrete, 2,466 cu.yd. earth excav., to C. B. Ramsey, 931 North Main St., paving $1.60, excavation $0.60; 15½ blocks Laura Ave., Elm and 9th Sts., 1st St. from Estelle to Volutia Sts. and 1st St. from New York to Spruce Sts., 15,931 sq.yd. asphaltic concrete, 4,714 cu.yd. earth excav., to H. T. Ritchie, 301 West Douglas Ave., paving $2.45, $2.60, excavation $0.80, $0.85 and $0.90. Noted Feb. 16.

Missouri—State Hy. Dept. at div. office Hermann, 2.244 mi. road from Mt. Sterling to Drake, State Aid Project 20.124, Gasconade Co., to J. E. McMahon, 5931 Pershing Ave., St. Louis, $31,120. Noted Mar. 2.

Missouri—State Hy. Dept. at div. office Houston, 6.875 mi. road from Cabool to Houston, Federal Aid Project 90, Sect. B, Texas Co., to M. E. Gillioz, Monett, $35,966. Noted March 9.

Missouri—State Hy. Dept. at div. office Kennett, 9.022 mi. road from Dexter to Kennett, Federal Aid Project 183, Sect. A, Dunklin Co., to A. Creek, Gideon, $87,098. Noted March 2.

Missouri—State Hy. Dept. at div. office Van Buren, 7.743 mi. road from Van Buren to Leeper, State Aid Project 20.122, Carter Co., to Davis Constr. Co., Imboden, Ark., $40,273. Noted March 9.

Missouri—State Hy. Dept. at div. office Waynesville, 4.443 mi. road from Waynesville to Crocker, State Aid Project 20.137 Pulaski Co., to B. E. Stiles, Crocker, $12,229; 3.494 mi. road from Anderson to Maries Co., State Aid Project 20.138, Pulaski Co., to L. E. Rolens, Liscon, $12,141; 4.076 mi. road from Waynesville to Laclede Co. line, State Aid Project 20.131, Pulaski Co., to E. A. Oliver, Richland, $9,992. Noted March 9.

Tex., Amarillo—For 100,000 sq.yd. 2½ in. vertical fiber brick, asphalt filler, to Plains Paving Co., 21 Massie Bldg.

Nevada—State Hy. Comn., Carson City, grading and constructing culverts, etc., on 12.01 mi. Reno-Purdy Rd., Washoe Co., to Grant-Smith Co., 708 Balboa Bldg., San Francisco, Cal., $71,706. Noted Feb. 23.

Arizona—State Highway Dept., Phoenix, Ariz., grading and gravel surfacing 9.8898 mi. Section D, Project 26 to Griffen & Donovan, Yuma, 32,995 cu.yd. excav. at $0.175 per cu.yd., 48 cu.yd. Class A concrete (bridges) $17 per cu.yd., 633 cu.yd. class C, (fords) $12, 142 cu.yd. rubble concrete (bridges) $12, 18,388 cu.yd. gravel at $0.27, 18,386 cu.yd. overhaul (100 ft.) (10,000 ft. overhaul) at $0.01, etc., $39,553. State furnished materials $4,100, 10% engineering and contingencies $4,365, total $48,019.

Ariz., Phoenix—Maricopa Co. Hy. Comn., cement concrete construction on 160 mi. roads, to Twohy Bros. Constr. Co., 318 North Central Ave., 160,000 cu.yd. excav. at $0.90, 5,400 cu.yd. structural concrete $20, 238,000 lb. reinforcing $0.06, 1,680,000 sq.yd. 5 and 6 in. concrete 1:2:4, $2.02 and $2.31. Noted March 2.

Washington—State Hy. Dept., Olympia, clearing, grading and paving 1.9 mi. Pacific Highway from Island School south, Snohomish Co., 22,418 sq.yd. cement concrete, 1,020 cu.yd. common excav. and 2,500 cu.yd. sub-grade, to Reinseth Bros., Everett, $58,396; 4.8 mi. Pacific Highway between Seattle and Lake Forest Park, King Co., 43,270 cu.yd. common excav., 180,000 cu.yd. overhaul and 75,834 sq.yd. cement concrete, to Wood Bros. and Tomei, Port Angeles, $233,973; grading and paving 3.5 mi. Natl. Park Highway, from Ethel west, Lewis Co., 6,610 cu.yd. common excav., 35,903 sq.yd. cement concrete, etc., to G. W. Miley, Everett, $111,093; clearing, grading and surfacing 8.3 mi. Central Washington Highway from Paha to Ritzville, Adams Co., 61,330 cu.yd. common and 13,480 cu.yd. solid rock excav., 15,100 cu.yd. overhaul and 13,490 cu.yd. crushed rock, to Mitchell Bros., E., 127 Mission St., Spokane, $67,515. Noted Feb. 16.

Wash., Port Townsend—Jefferson Co. grading and graveling 2.14 mi. Chimacum-Quilcene Rd., Permanent Highway 4-D, to J. H. Coyne, Port Townsend, $16,649. Noted Jan. 26.

Cal., Banning—Paving Ramey St. and San Gorgonio Ave., to J. F. Knapp, Turlock, $51,000. Noted Feb. 2.

Cal., Escondido — Concrete paving 2.5 mi. Grant Ave., 3,699 cu.yd. excav., 2,709 cu.yd. concrete, 9,963 lb. reinforcing, to Wells & Bressler, California Bldg., Santa Ana, $42,811. Noted Feb. 23.

Cal., Fairfield—Solano Co. paving 1¼ mi. portions of Napa Rd. and Fleming Ave., near Vallejo, to United Constr. Co., Vallejo, $25,667.

Cal., Oakland—Improving portions of Walnut St. between 90th and 96th Aves., to Hutchinson Co., 1706 Bway., 37,793 sq.ft. grading, $0.0311; 1,314 lin.ft. concrete curb, $0.75; 2,728 sq.ft. concrete gutters, $0.24; 18,318 sq.ft. oil macadam pavement, $0.135. Noted Jan. 19.

Cal., San Luis Obispo—Supervs. San Luis Obispo Co., grading Templeton-Willow Creek Rd., to C. Twisselman, San Miguel, $0.65 per cu.yd.; Guadalupe-Nipoma Rd., to J. L. Conner, 1432 East 61st St., Los Angeles, grading $0.60, rolling and shaping $0.10, concrete paving $7, steel $0.01. Noted Feb. 23.

Cal., Santa Rosa—Santa Rosa Co. constructing 3.19 mi. Sebastopol-Cotati Highway, Sect. B, 6,000 cu.yd. excav., 3,700 yd. crushed stone base, 33,600 sq.yd asphaltic surfacing, by day labor under supervision of R. P. Smith, co. surv.

Cal., South Pasadena—Paving Meridian Ave. and Marengo Ave. to Ducey & Breitenstein, 151 South Hill Ave., Pasadena, $24,060 and $13,354 respectively. Noted Jan. 26.

Cal., Yuba City — Supervs. Sutter Co., constructing 2.55 mi. Long Bridge-Tarke Rd., Butte House rock 6 in. thick, to Guerin Bros., 425 4th St., San Francisco, $25,546; rein.-con. paving 0.38 mi. Meridian-Kirksville Rd., in town of Meridian, to T. H. Polk, 511 2nd St., Chico, $8,324. Noted Feb. 23.

Quebec—Dept. Rds., Parliament Bldgs., Quebec, graveling 13 mi. from Riviere du Loup, to Edmundston, to Normand & Normand, I'Islet, $53,000.

Ont., Ottawa—Suburban Rd. Comn., Thistle Bldg., paving 4 mi. Russell Rd. macadam, and 2½ mi. Richmond Rd., bituminous macadam, to Grant Bros., Rideau St., $20,879 and $42,512 respectively. Noted March 2.

Industrial Works

PROPOSED WORK

Vt., Brandon — Dept. of State Institutions, Montpelier, plans 1 and 2 story, 55 x 240 ft. repair shop and automobile service school, brick and steel, at State School for Feeble Minded, here. $75,000. F. L. Austin, 240 College St., Burlington, archt.

Mass., Southboro — Dennison Mfg. Co., Framingham, plans 4 story, 70 x 300 ft., brick factory, here. Architect not announced.

Mass., Whitinsville — Whitin Machine Wks. soon lets contract 3 story, 75 x 200 ft., garage, fire house and storage plant, also 4 story, 95 x 300 ft. addition to plant, brick and rein.-con., plain foundations. $150,000 and $300,000 respectively. J. D. Leland Co., 41 Mt. Vernon St., Boston, archts. Owner buys all material.

Conn., New Britain—**A. J. Olsen**, 334 Stanley St., having plans prepared by L. A. Oldershaw, archt., 259 Main St., 1 story, 112 x 132 ft., brick and steel garage, Arch St.

N. Y., Binghamton—A. and J. Mfg. Co. plans 60 x 120 ft. factory addition, steel, North Water and Eldredge Sts. $40,000 to $45,000. Address E. H. Johnson, pres.

N. Y., Brooklyn — Brooklyn Retail Butcher's Corp., having plans prepared by Henschien & McLaren, archts., 1637 South Prairie Ave., Chicago, 4 or 5 story cold storage plant, ordinary fireproof construction. $200,000.

N. Y., Canton—C. H. Elliott, Tupper Lake, plans 30 x 300 ft. dry kiln, here. $40,000-$45,000.

N. Y., Ithaca—Bd. Trustees Cornell University had plans prepared by H. R. Kent Eng. Corp., engrs., 5 Erie Ave., Rutherford, N. J., and soon takes bids new central heating plant, north of East Ithaca Sta. $750,000.

N. Y., New York—A. L. Erlanger, 214 West 42nd St., plans 7 story, brick, steel and concrete storage house, plain foundation, 447 West 49th St. Private plans.

N. Y., Olean—Pennsylvania R.R., Broad St. Sta., Phila., plans to rebuild car shops which were recently destroyed by fire. Cost to exceed $150,000. A. C. Shand, ch. engr.

N. Y., Rochester—S. B. Cooper, 29 Elm St., plans 3 story, 82 x 181 ft. garage and press room, fireproof construction, Elm St. $150,000. Architect's name withheld.

N. Y., Watervliet—Eastern Malleable Iron Co., Naugatuck, Conn., plans 1 story, 50 x 250 ft., modern brick foundry, here. Architect not selected.

Ky., Louisville—D. X. Murphy & Bro., archts., 714 Louisville Trust Bldg., soon take bids 3 story, 40 x 180 ft., rein.-con., steel, stone and brick addition to machinery plant and office, for H. Vogt Mchy. Co., 10th and Ormsby Sts. $75,000.

Ill., Astoria—See "Miscellaneous."

Ill., Chicago—A. S. Alschuler, archt., 25 East Jackson Blvd., preparing plans and soon receives bids 10 story, 100 x 125 ft. printing plant, rein.-con., brick and steel, Van Buren and Jefferson St., for J. T. Igoe Co., 117 West Harrison St. $550,000.

Ill., Elgin—Elgin Coal & Ice Co., c/o W. H. Parked, 162 Milwaukee St., plans 3 story ice plant, brick, steel and rein.-con. $75,000. Architect not selected.

Ill., Matteson—K. I. Herman, c/o Midwest Box Co., 111 West Washington St., Chicago, having plans prepared by H. C. Miller, archt., 112 West Adams St., Chicago, 3 story, 60 x 140 ft., chemical plant rein.-con., brick and steel, here. $300,000.

Ill., Peoria—C. Welti, 518 Hamilton St., having plans prepared by B. L. Hulsebus, archt., 1232 Jefferson Bldg., 1 story, 70 x 120 ft., garage, brick and stone. $40,000.

Ill., Rock Island—Illinois Oil Co., 215 Safe Bldg., having plans prepared by Cervine & Horn, archts., 310 Safety Bldg., 3 story, 40 x 150 ft. factory and office, rein.-con., brick and terra cotta, $160,000. F. J. Welsh, pres. Noted Mar. 24.

Wis., Beloit—J. H. Saris, 412 Broad St., plans 2 story, 98 x 130 ft., brick and concrete garage, plain foundation, Broad St. $50,000. Architect not selected.

Wis., Madison — The Autowash Co., 7 South Bedford St., having plans prepared by M. P. Schneider, archt., 401 West Doty St., 1 story, 70 x 169 ft., brick and rein.-con. garage, plain foundation. $40,000.

Wis., Mayville—Peerless Traveling Goods Co. plans 2 and 3 story, 50 x 90 ft., brick and rein.-con. factory, plain foundation, Main St. $50,000. Architect not selected.

Ia., Waterloo—Roth Packing Co. plans rein.-con. brick and steel engine room and shipping office, here. $150,000. Henschien & McLaren, 1637 Prairie Ave., Chicago, archts.

Minn., Minneapolis—B. Phillips, 520 New York Life Bldg., having plans prepared by Ar-En Co., archts., 1219 McKnight Bldg., 3 story, 108 x 150 ft., rein.-con., brick and steel garage and store, Lyndale Ave. S. and 22nd St. $60,000.

Minn., New Prague—Gopher Mchy. Co. having plans prepared by J. C. Niemeyer, archt., 643 Endicott Bldg., St. Paul, 1 story, 78 x 100 ft. brick and steel plant, also traveling crane. $40,000.

Kan., Parsons—W. N. Chapman having plans prepared by W. S. Orme, archt., Parsons, 2 story, 75 x 120 ft., brick, steel and terra cotta garage and salesroom $70,000.

Industrial Works (Continued)

N. D., Minot—See "Railways."

S. D., Mitchell—Rozum Motor Co., 400 East 4th Ave., plans 2 story, 44 x 165 ft. brick and stone garage, 5th Ave. and Main St. $50,000. A. J. Rozum, pres. Architect not selected.

Mo., Poplar Bluff — Carbur-Aid Garage & Machine Co., J. Ospring, mgr., plans 2 story, rein.-con., brick and steel garage. $40,000. Architect not selected.

Mo., St. Louis—Famous-Barr Dry Goods Co., 6th and Olive Sts., having plans prepared by W. Levy, archt., 625 Locust St., 6 story, rein.-con., brick and terra cotta, 7th and Elm Sts. $400,000. M. T. May, pres.

Cal., Martinez—California Car Co., Alexander Bldg., San Francisco, had plans prepared 1 story, factory buildings. Work will be done by day labor. C. R. Manbert, 496 12th St., Oakland, engr.

Cal., Richmond—Galena Signal Oil Co., South Park and Liberty Sts., Franklin, Pa., plans refinery, near Standard Oil plant, here. $500,000.

Cal., Sacramento—Carmichael Pub. Utility Dist. to vote March 28, on $45,000 bonds for constructing electrical distributing system. A. D. McDonell, 2601 S. St., member Bd. Dirs.

Cal., Tracy—General Milk Co. of California, c/o A. J. Mazurette, archt., 1002 H St., Modesto, having plans prepared milk evaporating plant, rein.-con. $75,000.

Ont., Welland—Empire Cotton Co. plans 165 x 365 ft. factory. $250,000. Architect not selected.

BIDS DESIRED

Pa., Phila.—Hoffman-Henon Co., archts., Finance Bldg., taking bids 3 story, 70 x 116 ft. rein.-con., brick and steel garage, plain foundation, 15th and Locust Sts., for U. M. C. Garage, 15th and Locust Sts. $120,000.

O., Cleveland—March 20, by Ward Baking Co., c/o J. B. Arthur, East 143rd St. and Southern Blvd., New York, 3 and 5 story, 240 x 315 ft., baking plant and office building, brick, steel and concrete, plain foundation, East 45 A Pl. and Windsor Ave., here. $500,000. C. B. Comstock, 110 West 40th St., New York, archt. Noted Feb. 16.

Ill., Chicago—B. Boches, 1608 South Central Park Ave., receiving bids 1 story, 72 x 125 ft. garage, rein.-con., brick and steel, 1731-39 Roosevelt Rd. $40,000. M. L. Bein, 139 North Clark St., archt.

Ill., Forest Park—W. F. Pagels, archts., 1128 Argyle St., Chicago, receiving bids 2 story, 50 x 60 ft. garage, rein.-con., brick and steel, here. $40,000. Owner's name withheld.

BIDS RECEIVED

Wis., Milwaukee—Sewerage Comn., City Hall, structural steel for 90 x 225 ft. main power house and 68 x 166 ft. boiler plant on Jones Island, from Milwaukee Bridge Co., 1,400 34th St., $27,264; Worden-Allen Co., Fort Washington Ave., $28,622; Milwaukee Structural Steel Co., 19th and St. Paul Aves., $29,840. Noted March 2.

CONTRACTS AWARDED

Mass., Dorchester (Boston P. O.)—McNaughton & Cleverdon, archts., 19 Congress St., Boston, 1 and 2 story, 161 x 302 ft. and 49 x 80 ft., machine shop, rein.-con., plain foundation, Locust St., to Tredennick Co., 10 High St., Boston, for Meisel Press, Dorchester Ave., Boston. $250,000. Noted Oct. 20.

Mass., South Boston—Boston Wharf Co., 259 Summer St., 6 story, 90 x 135 ft., mill constructed warehouse, A St., to J. M. and C. J. Buckley, 164 Federal St., Boston. $200,000.

Mass., Springfield—W. J. Hyland Mfg. Co., 151 Dwight St., will build 3 story, 47 x 85 ft., brick and steel plant, plain foundation, Liberty St., by day labor. $40,000. Noted Sept. 15.

Mass., Westfield—H. B. Smith Co., 57 Main St., will build 1 story, 48 x 160 ft., brick and steel addition to machine shop, plain foundation, Main St., by day labor. $40,000. Noted Mar. 2.

R. I., Pawtucket—Potter Fine Spinners, Inc., Newport Ave., 2 story, 40 x 75 ft., brick and timber, plain foundation, Newport Ave., to O. D. Purington & Co., Industrial Trust Bldg., Providence.

Conn., Allingtown (R. D. New Haven)—D. E. Smith, archt., 152 Temple St., New Haven, 1 story, brick and steel main building and 1 story, 50 x 50 ft. garage and boiler house, here, to Hewlett Co., 886 Main St., Bridgeport. $100,000.

N. Y., Watertown—See "Dams."

Pa., Phila.—O. Nebel Knitting Mills, 3860 Coral St., 1 story, 52 x 59 ft. steel structure for tank, steel smoke stack and boiler house, 5th and Annsbury Sts., to H. P. Schneider, 3713 Old York Rd., $75,000.

Pa., Phila.—Quaker City Cold Storage Co., 301 Delaware Ave., will build 1 story, 27 x 126 ft. brick and steel plant, 310 South Delaware Ave., by day labor. $75,000.

Pa., Phila.—Wittman-Moriarity Co. Inc., 4th and Vine Sts., 3 story, 100 x 350 ft., rein.-con., brick and steel factory, plain foundation, to W. F. Newberry Co., Otis Bldg., $75,000.

Pa., Phila. — C. Wunder, archt., 1415 Locust St., 2 story, 112 x 156 ft. rein.-con., brick and steel factory, plain foundation, Delaware Ave. and Dickenson St., to Wark Co., Broad and Walnut Sts., for Morrice Twine Co., 84 Tasker St. $175,000. Noted Jan. 19.

Pa., Pittsburgh—J. C. Forster & Son, 2519 Penn Ave., 2 story, 50 x 100 ft. plant, 2519 Penn Ave., to R. E. Murray, 310 Iron Exch. Bldg., $40,000.

D. C., Wash.—Salvation Army, 521 13th St., N. W., for garage and baling and repair shop, at Industrial Home, to G. W. Fuller Co., Munsey Bldg., $200,000. Noted March 2.

Ky., Louisville—Kokomo Rubber Co., 822 East Bway., general contract, 2 story, 45 x 95 ft., rein.-con., steel and brick garage, concrete pile foundation, Logan St. and Bway., to General Constr. Co., 229 South 5th St., $35,000.

Ky., Louisville—Louisville and Jefferson Co. Land Co., 114 East Chestnut St., 2 story, 50 x 200 ft. manufacturing building and store, concrete and brick work, to C. Yontz, 501 Camp St., $30,000; excavation and foundation to A. Coffman, 114 East Chestnut St., $15,000.

Ill., Charleston—A. E. Craig, c/o C. D. Mitchell, archt., Mitchell Blk., 1 story, 51 x 100 ft. garage and salesroom, brick, stone and rein.-con., to J. Johnson, Charleston, $50,000.

Ill., Chicago—Amer. Cabinet Co., 139 North Clark St., 2 story, 100 x 125 ft. factory, rein.-con., brick and steel, Crawford Ave. near Barry Ave., to H. Kaplan, 2608 Walton St. $100,000.

Ill., Chicago—Natl. Stamping & Electric Wks., 424 South Clinton St., 1 story, 130 x 155 ft. factory addition, rein.-con., brick and steel, 3238-50 West Lake St., to McKeown Bros., 112 West Adams St. $60,000.

Minn., Minneapolis—Franklin Co-operative Creamery Assn., 2601 Franklin Ave. E., 2 story, 123 x 154 ft., rein.-con. and brick creamery, 21st and Washington Aves. N., to Union Constr. Co., 325 2nd Ave. S., cost plus basis. Noted Nov. 3.

Minn., Minneapolis—F. S. Gold, 2004 James Ave. S., 1 story, 150 x 200 ft. garage with 40 x 82 ft. wing, brick and tile, 911 1st Ave. N., to M. Schumacher, 39 Dell Pl. $40,000.

Minn., Minneapolis — Northwestern Terminal Co., 1236 First Natl. Soo Line Bldg., 5 story, 80 x 100 ft., concrete, 2301 Kennedy St., N. E., to Splady & Haagenson, 1022 Plymouth Bldg. $100,000.

Wis., Burlington—J. A. Luke, 1 story, 66 x 130 ft., concrete garage, plain foundation, Main St., to J. Lockmett, Burlington. $40,000.

Mo., St. Louis—E. Lantz, archt., 603 Post Dispatch Bldg., 5 story, 63 x 90 ft., rein.-con. and brick factory and warehouse, 1130 South 6th St., to H. O. Hirsch & Co., Wainwright Bldg., for J. Weisert Tobacco Co., 1120 South 6th St. Noted Feb. 2.

Ont., Toronto—Barber-Ellis Ltd., 71 Wellington St. W., 3 story rein.-con., brick and steel stationery plant, Adelaide St. W., general contract to J. A. Wickett Ltd., 12 Salter St. Total $150,000.

Cuba, Havana—Havana Docks Corp., 5 story, warehouse and loft building, and 2 story superstructure on pier 580 ft. long in Havana Harbor, to Turner Constr. Co., 244 Madison Ave., New York.

Buildings

PROPOSED WORK

Me., Belfast—High School—Kilham, Hopkins & Greeley, archts., 9 Park St., Boston, preparing plans 3 story, 130 x 153 ft., brick, for Board of Education. $400,000.

N. H., Peterboro—High School—Bd. Educ. having plans prepared by J. P. Kingston & Sons, archts., 518 Main St., Worcester, 2 story, 100 x 102 ft., brick. $200,000.

Mass., Chicopee Falls—Church—G. H. Fugere, archt., Chicopee Falls, soon lets contract 1 story, 60 x 164 ft., white stone, brick and steel, plain foundation, Main and Maple Sts., for St. Joachim Roman Catholic Church, 202 Main St. $150,000. Noted June 30.

Mass., Pittsfield—Church—First Baptist Church, 64 North St., having plans prepared by F. E. Merrill, archt., c/o Baptist Mission Society, Old Holland Bldg., Bway., New York, 1 story, brick and stone, South St. $150,000. Noted April 21.

Conn., Winsted—Club—Knights of Columbus Building Com., Main St., plans 3 story, brick and steel, Main St. $150,000. Architect not selected.

N. Y., Batavia—High School—April 6 to vote $450,000 bonds 3 story, 144 x 200 ft., brick, steel and Indiana limestone. E. E. Joralemon, 482 Delaware Ave., Buffalo, archt.

N. Y., Bedford Hills—School—Bd. Educ. School Dist. 7, having plans prepared by J. G. Rogers, archt. and engr., 367 Lexington Ave., New York, brick, steel and stone, plain foundation. $250,000.

N. Y., Binghamton—School—Authorized $60,000 bond issue to purchase site for 40 room schoolhouse. Address T. A. Wilson, mayor. Architect not selected.

N. Y., Boonville—School—Bd. Educ. plans brick and concrete. $150,000-$200,000.

N. Y., Brooklyn—Hospital—Brooklyn State Hospital for Insane, Clarkson Ave., having sketches made by L. F. Pilcher, state archt., Albany, several brick and stone buildings, plain foundations. $3,000,000.

N. Y., Brooklyn — School — Church of Sacred Heart of Jesus & Mary, 500 Hicks St., soon takes bids 4 story, brick, steel and stone, plain foundation. $300,000. N. Serracino, 507 5th Ave., New York, archt. and engr.

N. Y., Brooklyn—Theatre—Fifteenth St. Amusement Co., c/o H. G. Wiseman, archt. and engr., 25 West 43rd St., New York, soon takes bids 2 story, brick, steel and stone, plain foundation, Sheepshead Bay Rd., here. $250,000. Fox Films Corp., 126 West 46th St., lessee.

N. Y., Corning—School—Corning Free Academy plans school. $453,000.

N. Y., Elmira—High School—Authorized $550,000 bonds for 2 story, 161 x 230 ft., rein.-con., brick and steel. Pierce & Bickford, 118 Lake St., archts. A. R. Acheson, Eckel Theatre Bldg., Syracuse, engr.

N. Y., Elmira—High School—Bd. Educ. plans new Junior-Senior High School, on southside. $250,000-$275,000.

N. Y., Elmira—Y. M. C. A., 322 West Market St., conducting campaign to raise $250,000 for new building. Address M. D. Marks, 318 West Clinton St.

N. Y., Ithaca—Dormitory—Bd. Trustees Cornell University soon takes bids for "Boldt Hall." $150,000.

N. Y., Jamaica—School and Convent—St. Monicas Roman Catholic Church, 42 Washington St., having plans prepared by G. E. Steinback, archt. and engr., 157 West 74th St., New York, 2 story, brick, steel and stone, plain foundation. $175,000.

N. Y., Liverpool—School—Salina School Dist. plans new school to replace present high school, 2nd St. $150,000. Address M. D. Green, Liverpool. Architect and engineer not selected.

N. Y., New York—Apartment Hotel—Schwartz & Gross, archts. and engrs., 347 5th Ave., preparing plans 15 story, 200 x 200 ft., brick, steel and stone, plain foundation, Madison Ave. $5,000,000. Owner's name withheld.

N. Y., New York—Church and Sunday School—German Evangelical Lutheran St. Lukes Church, c/o E. L. Tilton, archt. and engr., 141 East 45th St., having plans prepared 4 story, brick, steel and stone, plain foundation, 316 West 46th St. $150,000.

N. Y., New York—School—Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., open bids about April 1, 5 story, 33 x 100 ft., brick, steel and stone, plain foundation, 50 East 62nd St., for Browning-Jones Realty Co., c/o architects. $200,000. Noted March 9.

N. Y., New York—School—St. Joseph's Parish, c/o R. J. Reiley, archt. and engr., 477 5th Ave., having plans prepared 4 story, brick, steel and stone, plain foundation, Bathgate Ave. near Tremont Ave. $150,000.

N. Y., Watertown—Office—Agricultural Insurance Co. plans office, Lower Washington St. $200,000-$300,000. Address P. H. Wilmot, secy. Architect not selected.

N. Y., Watertown—Schools—Bd. Educ. plans new schools. $375,000. F. Tisdale, supt.

Buildings (Continued)

N. J., Atlantic City—Home—F. A. Berry, archt., Real Estate Trust Bldg., Phila., soon takes bids 4 story, 60 x 106 ft., fireproof construction, Pennsylvania Ave., here, for Stella Marvis Catholic Daughters of America, c/o A. Sherman, Pennsylvania and Pacific Aves. $350,000.

N. J., Chatham—School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $191,000. Rasmussen & Wayland, 252 West 46th St., New York, archts. and engrs.

N. J., East Orange—Apartment—J. Bursteiner, c/o D. M. Ach., archt. and engr., 1 Madison Ave., New York, soon lets contract 7 story, brick, steel and stone, plain foundation, Harrison Ave., here. $500,000. Noted Feb. 9.

N. J., Hackensack — School — Bd. Educ. having plans prepared by Starrett & Van Vleck, archts. and engrs., 8 West 40th St., New York, brick, steel and stone, plain foundation. $150,000.

N. J., Hoboken—Theatre and Store—Haring & Blumenthal, 1658 Bway., New York, having preliminary plans prepared by E. De Rosa, archt. and engr., 110 West 40th St., New York, brick, steel and stone, plain foundation, here. $200,000.

N. J., Jersey City—Church—Our Lady of Victory Church having plans prepared by J. A. Jackson, archt., 185 Church St., New Haven, Conn., and 158 West 35th St., New York, 1 story, 65 x 130 ft., stone and steel, Edge Ave. $150,000.

N. J., Jersey City—Theatre—K. and T. Amusement Co., c/o J. T. Rowland, archt. and engr., 100 Sip Ave., having preliminary plans prepared brick, steel and stone, plain foundation, Newark Ave. $200,000.

N. J., Plainfield — Theatre — W. Reade, 112 West 34th St., New York, plans altering and improving Proctor Theatre, here. $200,000. W. H. McElfatrick, 701 7th Ave., New York, archt.

N. J., Westwood—School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $150,000. Rasmussen & Wayland, 252 West 46th S., New York, archts. and engrs.

Pa., Erie—Home—Diocese of Erie, c/o J. M. Gammon, 205 West 9th St., receiving sketches for home here. $500,000.

Pa., Overbrook (Phila. P. O.)—Academy—Madames of Sacred Heart, 19th and Arch Sts., having plans prepared by P. Monaghan, archt., 1218 Chestnut St., Phila., and soon take bids 3 story, 200 x 280 ft. brick, steel and stone, plain foundation, city line and Haverford Ave. $750,000.

Pa., Phila.—Lodge—Central Odd Fellows Assn., 1723 Arch St., plans 5 story, 48 x 160 ft., 1323-1325 North Broad St. $500,000. Architect not selected.

Pa., Phila.—Office—Sun Oil Co., c/o J. M. Pier, Jr., Finance Bldg., had plans prepared by H. Trumbauer, archt., Land Title Bldg., and soon takes bids 12 story, 36 x 84 x 86 ft. rein.-con., brick and steel, plain foundation, 17th and Cherry Sts. $500,000.

Pa., Pittsburgh—Apartment—Hotel—F. Brown, 565 5th Ave., New York, had preliminary plans made by Kennedy-Ellington and associates, archts., 230 5th Ave., Pittsburgh, remodeling old residence and building two 4 story additions on North Highland Ave. and Jackson St. $1,000,000.

Pa., Republic — High School — School Dist. of Red Stone Twp. having plans prepared by J. H. Harmon, archt., Fayette Title & Trust Bldg., Uniontown, for high school near here. $250,000.

Pa., Somerset—Hotel—W. G. E. Ferner having plans prepared by E. Walker, archt., Somerset, 7 story, 34 x 174 ft. $150,000.

Md., Baltimore—School of Hygiene—Johns Hopkins Hospital, Monument and Wolfe Sts., having plans prepared by Archer & Allen, archts., 1 East Lexington St., 8 story, rein.-con., brick, stone and steel, Monument and Wolfe Sts. $1,000,000.

W. Va., Morgantown—Gymnasium—P. A. Davis, 3rd, archt., 1713 Sanson St., Phila., soon takes bids 3 story, 120 x 200 ft., stone, Fraternity Row, for University of West Virginia. $750,000. Noted Sept. 22.

N. C., Greensboro—Passenger Station—City and Southern R.R. plans station. $1,300,000. Election April 11, to vote on bonds. P. C. Painter, city mgr.

N. C., Greensboro—School—Bd. Educ. having plans prepared by Starrett & Van Vleck, archts., 8 West 40th St., New York, brick, steel and stone. $150,000.

N. C., Winston-Salem—Auditorium—C. B. Keen, archt., Bailey Bldg., Phila., soon takes bids 1 story, 100 x 200 ft., rein.-con., brick and steel, plain foundation, for J. E. Johnson, Winston-Salem. $400,000.

O., Cleveland—Apartment—Euclid 85th Realty Co., c/o F. Riley, 1505 Williamson Bldg., had plans prepared by J. F. Steffens, archt., 611 Fidelity Mortgage Bldg., 3 story, 70 x 90 ft., brick and steel, plain foundation, Euclid Ave. and East 85th St. $150,000.

O., Cleveland—Commercial—R. H. Swetland, Swetland Bldg., plans 3 story, brick, steel and concrete, plain foundation, Euclid Ave, west of East 55th St. $200,000. Architect not selected.

O., Cleveland — Commercial and Apartment—Morelease Co., c/o J. Laronge, 214 Williamson Bldg., having plans prepared by W. S. Lougee, archt., 500 Marshall Bldg., 2 story, 110 x 200 ft., brick and steel, plain foundation, St. Clair Ave. and East 105th St. $200,000.

O., Cleveland—Commercial and Market—Broadview—Market Co., A. R. James, secy., 505 Erie Bldg., having plans prepared by Miller & James, archts., 505 Erie Bldg., 2 story, 118 x 246 ft., brick, steel and concrete, plain foundation, Broadview Rd. and West 25th St. $200,000.

O., Cleveland—Hospital—Cleveland Maternity Hospital, c/o A. Garfield, archt., Natl. City Bldg., having preliminary plans prepared 6 story, 60 x 157 ft., brick, steel and concrete, plain foundation, 11020 Euclid Ave. $350,000.

O., Cleveland Heights (Warrensville P. O.)—Club, etc.—Acacia Country Club of Cleveland, c/o J. W. Love, treas., Electric Bldg., Cleveland, plans 2 story, brick clubhouse, plain foundation, incl. golf and athletic field, Richmond Rd., here. $200,000. Architect not selected. Randall Ross, Boston, Mass., engr.

O., Columbus — Apartments — Calaparts Co., 1250 East Main St., having plans prepared by J. F. Denson, archt., 5 North La Salle St., Chicago, and R. F. France, archt., 155 North Clark St., Chicago, 12 and 7 story, brick, stone and concrete, East Broad St. $1,100,000 and $900,000 respectively.

O., Conneaut — High School—Bd. Educ. purchased 9 acre tract and plans high school. $500,000.

O., Middletown — Y. M. C. A. having plans prepared by S. Hannaford & Sons, archts., Hulbert Blk., Cincinnati, 5 story, brick, stone and concrete. $400,000.

Ind., Columbus—High School and Gymnasium—Bd. Educ. plans 2 story, brick. $150,000. Architect not selected.

Mich., Grand Rapids—Hotel—Pantlind Hotel Co., Monroe Ave. N. W., soon lets contract 10 story, brick, steel and stone, plain foundation. $250,000. Warren & Wetmore, 16 East 47th St., New York, archts. and engrs.

Ill., Chicago—Apartment—A. H. Knox, archt., 7 West Madison St., preparing plans and receives bids about May 1, 3 story, rein.-con., brick and steel, Keystone and Cullom St., for R. A. Pottinger, 4056 North Kedvale Ave. $200,000.

Ill., Chicago — Apartment — Monaco & Wright, archts., 721 North Michigan Ave., soon receive bids 85 x 120 ft., rein.-con., brick and steel, at 3708-14 Sheffield Ave., for A. Peterson, 3714 Sheffield Ave. $150,000.

Ill., Chicago—Apartment or Hotel—L. and E. F. Mayer, c/o Stratford Hotel, having plans prepared by Marshall & Fox, archts., 721 North Michigan Ave., 21 story, 171 x 180 ft., rein.-con., brick and steel, Michigan Ave. and Jackson Blvd. $5,000,000.

Ill., Chicago—Store—P. Gerhardt, archt., 69 West Randolph St., preparing plans and soon receives bids 3 story, 57 x 112 ft., rein.-con., brick and steel, 57th Ave. and 22nd St., for M. M. Davidson, c/o architect.

Ill., Chicago — Store and Office — D. S. Klafter, archt., 64 West Randolph St., preparing plans and soon receives bids remodeling and building 4 story, rein.-con., brick and steel addition, Irving Park Blvd. and Bway., for O. Lorenz, 3962 Bway. $175,000.

Ill., Chicago—Store, Office and Apartment—Sheridan Realty Co., c/o A. Schlachter, 1332 Nelson St., having plans prepared by W. W. Ahlschlager, archt., 30 East Huron St., 5 story, 70 x 169 ft., rein.-con., brick and steel, Bway. and Leland Ave. $250,000.

Ill., Chicago—Theatre, Store and Office—R. A. Pottinger, 4056 North Kedvale Ave., having plans prepared by A. H. Knox, archt., 7 West Madison St., and opens bids about May 1, 3 story, rein.-con., brick and steel, Elston and Keystone Sts. $200,000.

Ill., Chicago—Theatre—Crawford Bldg. Co., c/o C. H. Crane and K. Franzheim, archts., 127 North Dearborn St., preparing plans 141 x 191 ft., rein.-con., brick and steel, Roosevelt Rd. near Crawford Ave. $1,000,000.

Ill., East St. Louis—Temple—Scottish Rite Temple Assn. having plans prepared by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, Mo., 5 story, rein.-con., brick, steel and stone. $500,000. G. Quackenbush, chn.

Ill., Flora—Hotel—Sailor Springs Hotel Development Co., Sailor Springs, plans 3 story, rein.-con., brick, steel and stone, here, $150,000. Architect not selected.

Ill., Joliet—Academy—A. Foster, archt., 56 East Randolph St., Chicago, receives bids about April 1, 3 story main building and 4 story dormitory, both rein.-con., brick and steel, 303 Taylor St., for St. Francis Academy, 303 Taylor St. $500,000.

Ill., Litchfield — Church — Union Ave. Christian Church having plans prepared by Honeywell & Parker, archts., 620 State Life Bldg., Indianapolis, Ind., 1 story, brick, steel, rein.-con. and stone. $150,000.

Ill., Oak Park—Apartment—Minchin & Spitz Co., archts., 19 West Jackson Blvd., Chicago, soon receives bids 3 story, 150 x 175 ft., rein.-con., brick and steel, for A. Eldridge, c/o architects. $275,000.

Ill., Peoria—Hotel—W. W. Ahlschlager, archt., 65 East Huron St., Chicago, soon receives bids 10 story, 102 x 149 ft., rein.-con., brick and steel, Adams and Liberty St., here, for P. Schnellbacher, 116 South Adams St. $1,000,000.

Wis., Madison—Store and Office—The Hill Store Co., Inc., Dayton and State Sts., having plans prepared by Balch & Lippert, archts., Gay Bldg., 3 story, 65 x 130 ft., brick, rein.-con. and steel, plain foundation, State St. $150,000.

Wis., Shorewood (Milwaukee P. O.)—High School—School Dist. 4 plans 3 story, brick, concrete and tile, plain foundation, Atwater Rd. and Frederick Ave. $250,000. Architect not selected.

Ia., Monticello—High School—Election March 2 7to vote on $200,000 bonds for 2 story school for Bd. Educ. K. Maurice, secy. Architect not selected.

Minn., Minneapolis—Apartment—Ambassador Holding Co., 630 McKnight Bldg., having plans prepared by O. K. Westphal, archt., 309 Kasota Bldg., 3 story, 112 x 192 ft., rein.-con., brick, tile and stone, 19th St. and 2nd Ave. S. $300,000.

Minn., Minneapolis—Store—See "Industrial Works."

Minn., Virginia — School — Clerk School Dist. 22 opens bids about April 15, 3 story, 125 x 175 ft., rein.-con., brick and steel, $150,000. Kelly & Shefchik, 507 Londsdale Bldg., Duluth, engrs. and archts.

N. D., Devils Lake—High School—Bd. Educ. having plans prepared by J. Bell De Remer, archt., Grand Forks, 2 story, rein.-con., brick, steel and stone. $300,000.

N. D., Dickinson—Administration—Bd. Administration State College, Bismarck, having plans prepared by Keith & Kurke, archts., Equity Bldg., Fargo, 3 story, 110 x 300 ft. rein.-con., brick and stone. $240,000.

N. D., Grafton—Dormitory—Bd. Administration of State College, Bismarck, having plans prepared by J. Bell De Remer, archt., Grand Forks, 3 story, rein.-con., brick, steel and stone, here. $150,000.

Mont., Glendive—Passenger Station, etc.—Northern Pacific R.R., Railway Bldg., St. Paul, Minn., having plans prepared 1 and 3 story, 42 x 295 ft. brick, passenger station and division headquarters here. $150,000. H. E. Stevens, ch. engr.

Mo., St. Joseph—Museum—Bd. Pub. Wks. plans 3 story, rein.-con., brick, stone and steel. $390,000. W. K. Seitz, City Hall, engr.

Mo., St. Louis—Bank—Imperial Trust Co., c/o H. C. Brenner, 2800 Chippewa St., having plans prepared by R. S. Traber, archt., c/o owner, 3 story, 85 x 120 ft., rein.-con., steel, granite and terra cotta, California St. $500,000. Noted June 30.

Mo., St. Louis—Church—J. H. Senne, archt., Central Natl. Bank Bldg., rejected bids opened Feb. 2, 1 story, 80 x 150 ft., rein.-con., brick, steel and stone, Folson Ave., for First United Presbyterian Church, 3043 Folsom Ave. $150,000. Architect will soon take bids on portion of above. Noted Jan. 19.

Mo., Cape Girardeau—Temple—Masonic Bodies, c/o W. W. Watkins, plan 2 story, brick, steel and hollow tile. $150,000. Architect not selected.

Nev., Reno—Junior High School—Bd. Trustees Reno School Dist. having plans prepared by G. A. Ferris & Son, archts., Reno, 2 story, 85 x 200 ft., 4th St. $160,000.

Wash., Seattle — Apartment — E. E. Green, archt., Arcade Bldg., preparing

Buildings (Continued)

plans 8 story, 100 x 120 ft., concrete, Summit and Denny Sts. $250,000. Owners name withheld.

Cal., Bakersfield—Schools—Bakersfield City School Dist. voted $225,000 bonds for additions to 7 schools.

Cal., Long Beach—High School—Bd. Educ. had plans prepared one 2 story and two 1 story, brick and rein.-con. buildings, Benjamin Franklin High School Site. $200,000. J. C. and W. H. Austin, 1125 Baker Detwiler Bldg., Los Angeles, archts.

Cal., Los Angeles—Store and Loft—A. E. Curlett, archt., Merchants Bank Bldg., soon takes bids 13 story, 85 x 165 ft., steel and terra cotta, 7th and Hill Sts., for Sun Realty Co., c/o architect. $500,000. Noted Jan. 26.

Cal., Sacramento—Theatre—Paramount Theatre Co. having revised plans prepared by L. S. Starks, archt., Oschsner Bldg., theatre, 2,650 seating capacity, K St. between 9th and 10th Sts. Cost between $400,000 and $500,000.

Cal., San Francisco—Home—Salvation Army, Valencia and McCoppin Sts., having plans prepared by N. R. Coulter, archt., 46 Kearny St., 9 story, McAllister St. near Jones St. $225,000.

Cal., Watsonville—Theatre—G. A. Lansburgh, archt., 709 Mission St., San Francisco, prepared plans for El Pajaro Theatre. $150,000. Owner's name withheld.

Que., Montreal—Clubhouse—Knights of Columbus, 255 Mountain St., plans 85 x 140 ft. clubhouse incl. 25 x 60 ft. swimming pool, Mountain St. $500,000. J. Quinlan, 255 Mountain St., grand knight.

Que., Montreal—Office—Standard Life Assurance Co., 157 St. James St., plans 10 story, St. James St. $500,000. C. Kennedy, McGill Bldg., McGill St., genl. mgr.

Ont., Birch Cliff—High School—Scarboro High School Bd. having sketches made by Burnden & Gouinlock, archts., 101 King St. W., Toronto, 2 story, 16 room, concrete, brick and steel. Kingston Rd. $160,000.

Ont., Ottawa — Hotel — W. E. Noffke, archt., 46 Elgin St., takes bids about April 1, 5 story, 66 x 99 ft., Sparks St., also remodeling and building 1 story addition to Hotel Secil, 226 Sparks St., for G. Davidson, Wellington St. $330,000.

BIDS DESIRED

Conn., Thompsonville—Housing—Bigelow-Hartford Carpet Co. receiving bids 2½ story houses, stone, brick and stucco, plain foundation. $350,000.

Conn., Torrington—School and Convent—J. A. Jackson, archt., 185 Church St., New Haven, receiving bids 2 story, 98 x 120 ft. school and hall, and 2 story, 50 x 65 ft. convent, brick and steel, plain foundation, Grove St., for Sacred Heart Roman Catholic Church, 116 Grove St. $150,000. Noted Mar. 9.

N. Y., Binghamton — Temple — H. C. Walker, chn. Building Comn. for Masonic Temple, 83 State St., taking bids for temple, Main and Murray Sts. $250,000. W. H. Whitlock, S. M. Bldg., and C. H. Conrad, Phelps Bldg., archts.

N. Y., New York—Amusement Palace—Carnival Palace Corp., c/o W. H. McElfatrick, archt. and engr., 701 7th Ave., 1 story, brick and stone, plain foundation, Academy St. near Bway. $450,000. Work will be done by separate contracts under supervision of architect.

N. Y., Ravena—High School—Bd. Educ. taking bids new high school. $150,000. A. Selkirk, archt.

N. Y., S. I., St. George—Apartment—Pentz Realty & Constr. Co., c/o Litchfield & Rogers, archts. and engrs., 477 5th Ave., New York, 6 sory, brick, steel and stone, plain foundation, Central Ave. near Bay St., here. $350,000. Work will be done by separate contracts under supervision of architects.

N. J., Jersey City—School—March 27, by C. F. Long, archt. and engr., 665 Newark Ave., 3 story, 70 x 125 ft., brick and granite, for St. Joseph's Roman Catholic Church, c/o architect. $200,000. Noted Feb. 23.

N. J., Scudder Falls (Wilburtha P. O.)—School—March 28, by State Bd. Educ., State House, Trenton, State School for Deaf, incl. dining hall, boiler house, pump house, etc., here. $350,000. Guilbert & Betelle, 2 Lombardi St., Newark, and A. H. Moses, 136 South 4th St., Phila., archts. Noted June 30 under "Trenton."

Pa., Phila.—Dormitory—March 20, by P. H. Johnson, archt., Presser Bldg., 3 story, 105 x 147 ft. and 2 story, 93 x 98 ft. with 2 37 x 88 ft. wings, rein.-con., brick and steel, plain foundation, 34th and Pine Sts. for city. $500,000.

Pa., Phila.—Hotel—April 1, by Lippincott & Young, archts., 10 South 18th St., 7 story, 130 x 130 ft. rein.-con., brick and steel, plain foundation. $500,000. Owner's name withheld.

Pa., Phila.—Store and Office—April 1, by H. E. Hahn, archt., 1112 Chestnut St., 3 story, 21 x 180 ft. rein.-con., brick, steel and stone, plain foundation, 708 Market St., for H. E. A. Goldberg, 708 Chestnut St. $150,000.

N. C., Carthage—Court House—April 5, by Comrs. Moore Co., erecting and completing court house. $150,000. C. G. Sayre, Anderson, S. C., and Raleigh, archt. Noted Feb. 23.

Tenn., Nashville—Dormitory, March 20, Peabody Teachers College. Peabody Campus, 60 x 160 ft. dormitory, brick, on campus. H. C. Hibbs, 4th and 1st Natl. Bank Bldg., archt. $150,000. Noted Dec. 15.

Tenn., Nashville—Office—March 27, by G. Norton, archt., 1119 Independent Life Bldg., 3 story, 140 x 160 ft. rein.-con., brick and stone, 7th and Union Sts., for Natl. Life & Accident Co., 7th Ave. $1,000,000.

O., Cleveland—Apartment—T. Horobin, 2850 Eaton Bldg., taking bids and opens same about March 28, 4 story, 206 x 258 ft., brick and steel, plain foundation, Shaker Blvd. and East 128th St. $350,000. H. P. Whitworth, 526 Hickox Bldg., archt. Noted Nov. 3.

O., Cleveland—Office—See "Industrial Works."

O., Cleveland Heights (Warrensville P. O.)—Apartment—Everett Co., c/o G. W. Hale, 627 Hanna Bldg., Cleveland, taking bids and opens same about March 30, 4 story, 115 x 200 ft., brick and metal lumber, plain foundation, Surrey and Derbyshire Rds., here. $200,000. H. T. Jeffrey, 427 The Arcade, Cleveland, archt.

Ind., Ft. Wayne—Hotel and Theatre—March 20 by J. Pridmore, archt., 38 South Dearborn St., Chicago, 8 story, 140 x 180 ft., Calhoun St., here, for Consolidated Realty Theatre Co., 403 Carroll Bldg., Indianapolis. $1,250,000.

Mich., Detroit—Hospital—March 23, by G. W. Graves, archt., 233 John R St., 2 story, brick, stone and steel, plain foundation, Jefferson Ave., for C. G. Jennings, 987 East Jefferson Ave. $150,000.

Mich., Grosse Pointe (Detroit P. O.)—Clubhouse—A. Kahn, archt., 1000 Marquette Bldg., opens bids about March 22, 2 story, 90 x 195 ft. with 2 wings, brick and rein.-con., brick foundation, for Grosse Pointe Country Club. $250,000. Noted Nov. 24.

Ill., Chicago—Apartment—Goldberg & Silverman, 105 North Clark St., receiving bids 2 story, 70 x 140 ft., rein.-con., brick and steel, 908-12 Wellington St. $150,000. A. L. Himmelblau, 179 West Washington St., archt.

Ill., Chicago—Apartment—H. J. Leidberg, arch., 154 West Randolph St., receiving bids 3 story 120 x 203 ft., rein.-con., brick and steel, East Lake Terrace and Rogers Ave. $175,000. Owner's name withheld.

Ill., Chicago—Apartment—W. T. Hooper, archt., 201 East Ontario St., receiving bids 3 story, 140 x 150 ft., rein.-con., brick and steel, Park and Fayette St., for F. W. Parish, 136 South Water St. $200,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archts., 139 North Clark St., receiving bids 3 story, 70 x 121 ft., rein.-con., brick and steel, Springfield and Wilcox St., for I. Asterholm, c/o architects. $150,000.

Ill., Chicago — Apartment — Zimmerer Bros., 15 East Van Buren St., receiving bids 3 story, 100 x 166 ft., rein.-con., brick and stone, Aldine Ave. near Bway. $175,000. A. L. Himelblau, 179 West Washington St., archt.

Ill., Chicago—Hotel—G. F. Lovdall, archt., 25 North Dearborn St., receiving bids 3 story, 150 x 170 ft., rein.-con., brick and steel, Wabash and 35th Sts., for I. Rothschild and G. Schneider, c/o architect. $500,000.

Ill., East St. Louis—School—April 3, by Bd. Educ., building Hawthorne School, 2 story, 146 x 200 ft., rein.-con., brick, stone and steel, 40th Ave. $200,000. A. B. Frankel, 308 1st Natl. Bank Bldg., archt. Noted Aug. 4.

Ill., Wheaton—School—J. W. McCarthy, archt., 139 North Clark St., receiving bids 3 story, 67 x 120 ft., rein.-con., brick and steel, for St. Michaels Church. $300,000.

Wis., Cudahy—Grade School—March 20, (change of date), by School Bd., 2 story, 80 x 155 ft., brick and tile, plain foundation. $150,000. Rosman & Wierdsma, 424 Jefferson St., Milwaukee, archts. Noted Feb. 23.

Wis., Madison—Administration, etc.—April 4, by Memorial Hospital Assn., 3 story, 75 x 200 ft. administration and employees building, brick and rein.-con. plain foundation, at state hospital. W. Lorenz, secy. $150,000. A. Peabody, State Capitol, archt.

Wis., Merrill—Grade School, etc.—April 4, by School Bd., 3 story addition to high school and 2 story grade school, brick, tile and concrete, plain foundation. $250,000 and $90,000 respectively. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Mo., Cape Girardeau—School—March 31, by State Teachers College, J. A. Serena, pres., 3 story, 100 x 130 ft., rein.-con., brick and stone. $150,000. G. Study, Arcade Bldg., St. Louis, archt. Noted Nov. 17.

Mo., Columbia—Agriculture, etc.—April 10, by Bd. Curators University of Missouri, agriculture building, $200,000, women's gymnasium, $150,000, and chemistry building, $125,000, on east campus. J. P. Jamieson and G. Spearl, 1116-26 Arcade Bldg., St. Louis, archts. Noted March 17 and Dec. 22.

Cal., Decoto—Home—W. Mooser, archt., Nevada Bank Bldg., San Francisco, and E. D. Bolles, associated archt., 233 Post St., San Francisco, receiving bids enlarging Masonic Home incl. men's dormitory, women's dormitory, enlarging kitchen and dining rooms, new social hall, enlarging hospital pavilion, all rein.-con. and brick, for Masonic Home of California. Cost between $250,000 and $300,000.

Ont., Ottawa—Bank—Canadian Bank of Commerce, 106 Wellington St., receiving bids 3 story, 66 x 110 ft. rein.-con., brick and stone, Sparks St., $800,000. Darling & Pearson, 2 Leader Lane, Toronto, archts.

BIDS RECEIVED

Va., Norfolk—Bank and Office—Peebles & Ferguson, archts., Law Bldg., opened bids March 9, 13 story, 25 x 120 ft., brick, stone and steel, wood pile foundation, Main St., from E. W. Minter Co., Inc., Citizens Bank Bldg., $323,000; Northeastern Constr. Co., Naval Base Blvd., $369,000; H. D. Watts Co., Garrett Bldg., Baltimore, Md., $373,800; for Natl. Bank of Commerce, Main St. Noted Mar. 2.

W. Va., Wheeling—Office—T. S. Riley, c/o C. W. Bates, archt., 77 12th St., 9 story, 33 x 130 ft., rein.-con., brick and steel, plain foundation, 14th and Chapline Sts., general contract, from R. R. Kitchen Co., Natl. Bank of West Virginia Bldg., $132,890; A. W. Morrette Co., 945 Beardsley St., Akron O., $134,889. Noted Feb. 9.

Fla., Lakeland—College—Southern College, two 3 story and one 2 story, lowest bid from Hugger Bros., Bell Bldg., Montgomery, Ala., $500,000. All other bids rejected. Noted Jan. 26.

Wis., West De Pere—High School—Bd. Educ., c/o J. Hughes, clk., general contract, 2 and 3 story, 60 x 185 ft. rein.-con., brick and steel, plain foundation, from Hub City Constr. Co., Stoughton, $93,950; H. J. Selmer Co., McCartney Natl. Bank Bldg., Green Bay, $94,500; A. Nielson Constr. Co., Neonah, $98,000. Noted Feb. 2.

Wis., Milwaukee—Hospital and Nurses Home—Milwaukee Childrens Free Hospital, 219-10th St., and Scott & Mayer, archts., 445 Milwaukee St., 5 story, 92 x 100 ft. hospital and 2 story, 40 x 100 ft. nurses home, rein.-con. and brick, Grand Ave., from Bentley Bros., 221 Grand Ave., $397,604; Dahlman Constr. Co., 456 Bway., $423,547; T. Stark & Co., 130 Muskego Ave., $427,980 Noted Feb. 16.

CONTRACTS AWARDED

Mass., Boston — Mercantile — Monks & Johnson, archts., 90 Chauncy St., 6 story, 11 x 185 ft., rein.-con., Berkely St., to Aberthaw Constr. Co., 27 School St., for Decatur & Hopkins Co., 124 High St. $300,000. Noted Jan. 19.

Mass., Boston — Restaurant—Thompson's Spa, 219 Washington St., 9 story, 60 x 140 ft., rein.-con., brick and steel, 15 Court St., to D. P. Robinson Constr. Co., 61 Bway., New York. $300,000. Noted Mar. 2.

Conn., Hartford — Apartment—H. Shor, 178 Westland St., will build 3 story, 50 x 230 ft., brick and steel, plain foundation, Asylum Ave., by day labor. $150,000.

N. Y., Brooklyn—Apartment—Argonne Constr. Co., Inc., c/o Shampan & Shampan, archts and engrs., 50 Court St., brick, steel and stone, plain foundation, Bay Parkway and 83rd St., by day labor. $300,000.

N. Y., Brooklyn — Apartments — Howard Apartments, Inc., c/o E. M. Sadelsohn, archt. and engr., 1778 Pitkin Ave., two 4 story, brick, steel and stone, plain foundations, Howard Ave., by day labor. $150,000 each.

N. Y., Brooklyn—Nurses Home—Nurses Home of Norwegian Lutheran Deaconess Home and Hospital, c/o Foster & Graham, archts. and engrs., 15 West 38th St., New York, 4 story, brick, steel and stone addi-

Buildings (Continued)

tion, plain foundation. 16th St. and 4th Ave., here, to H. Hansen, 308 President St. $200,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, P. S. 67, 5 story, brick, steel and stone addition, St. Edwards St. and Auburn Pl., here, to Frymier & Hanna, 25 West 45th St., New York, $424,000. Noted March 2.

N. Y., Dobbs Ferry—Hospital—Fraser Memorial Maternity Hospital, altering and building 2 story, brick and stone addition, plain foundation, to A. M. Hunter & Son, Irvington, N. Y. $150,000.

N. Y., Lackawanna—Shrine—Association of Our Blessed Lady of Victory, c/o N. H. Baker, pastor, 2 story, brick, steel and concrete, plain foundation, South Park Ave., by day labor. $1,000,000. E. M. Ulrich, 8617 Carnegie Ave., Cleveland, O., archt. Excavation started.

N. Y., Massena—Church—Sacred Heart Roman Catholic Church, limestone, sandstone and granite, by day labor under supervision of T. P. Holland, pastor and Building Comm. $150,000.

N. Y., New York—Apartment—Estate of G. F. Johnson, 50 East 42nd St., 6 story, brick, steel and stone, plain foundation, Fox St. near Leggett Ave., by day labor. $200,000. C. Kreymborg, 2534 Marion Ave., archt. and engr.

N. Y., New York—Apartments—Estate of G. F. Johnson, 50 East 42nd St., three 6 story, Fox and 150th Sts. and 6 story, Stebbins Ave. near Westchester Ave., brick, steel and stone, plain foundations, by day labor. $525,000 and $150,000 respectively. C. Kreymborg, 1534 Marion Ave., archt. and engr.

N. Y., New York—Apartment—W. L. Phelan, Inc., 1879 Harrison Ave., 6 story, brick, steel and stone, plain foundation, 179th St. and Grand Concourse, by day labor. $175,000. Moore & Landseidel, 148th St. and 3rd Ave., archts. and engrs.

N. Y., New York—Apartment—Moritz Realty Co., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., 5 story, 100 x 100 ft., brick, steel and stone, plain foundation, West 206th St., by day labor. $175,000.

N. Y., New York—Laboratory—A. E. Heaton, archt. and engr., Maryland Bldg., Wash., D. C., 3 story, brick and concrete, plain foundation, Mott Ave., to G. A. Fuller Co., 175 5th Ave., for Fleischmann Co., 701 Washington St. Noted Feb. 9.

N. Y., New York—Loft—Mid-Boro Constr. Co., 103 Park Ave., 9 story, brick, steel and stone, plain foundation, 151-153 West 28th St., to Magoba Constr. Co., 103 Park Ave.

N. Y., New York—Store and Office—Jatison Constr. Co., Inc., 280 Madison Ave., 15 story, brick, steel and stone, plain foundation, 142 West 36th St., by day labor. $700,000. Schwartz & Gross, 347 5th Ave., archts. and engrs.

N. Y., New York—Theater and Store—A. J. Schwarzler, 367 East 167th St., brick, steel and stone, plain foundation, Morris Ave., by day labor. $200,000. S. J. Kessler, 529 Courtland Ave., archt. and engr.

N. Y. Williamsville—School—Bd. Educ. general contract 2 story, 130 x 130 ft., brick, Academy St., to Mosier & Summers, 1266 Seneca St., Buffalo, $112,000. Noted April 21.

N. J., Swedesboro—High School—Bd. Educ. 2 story, cut stone, to Sinclair & Grigg, Medical Art Bldg., Phila., $190,000. Noted Feb. 23.

O., Columbus—J. W. Pontius, secy. Y. M. C. A., South 3rd St., 7 story, 187½ x 187½ ft., brick, stone and concrete, Front St., to R. H. Evans & Co., Ferris Bldg., cost plus percentage basis but not to exceed $791,132. Noted Feb. 23.

Mich., Detroit—Apartment—Detroit Mortgage Corp., Real Estate Exch. Bldg., 6 story, 67 x 150 ft., rein.-con., brick and steel, plain foundation, John R St., to Bryant & Detwiler, 2331 Dime Bank Bldg., $510,000. Noted Jan. 5.

Mich., Detroit—Coliseum—Michigan State Fair Assn., 502 Bowles Bldg. 8 story, 242 x 361 ft. rein.-con., brick, steel and stone, plain foundation, State Fair grounds, to Bryant & Detwiler, 2331 Dime Bank Bldg., $232,000. Noted Jan. 26.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story, 40 x 40 ft. and 82 x 214 ft. rein.-con., brick and steel, plain foundation, Martin and Brayden Aves., to M. A. Maholey, Penobscot Bldg., $193,000. Noted March 2.

Mich., Ecorse—School—J. G. Kastler & Co., archts., 523 Detroit Savings Bank Bldg., 2 story, brick and steel, plain foundation, for Dist. 3, to W. W. DeLange, 521 Detroit Savings Bank Bldg., Detroit, $150,000. Noted Feb. 16.

Ill., Jacksonville—Ward—State of Illinois, Springfield, having plans prepared by E. Martin, state archt., 304 South Wabash Ave., Chicago, 1 story, 90 x 131 ft. and 40 x 100 ft., brick, concrete and stone, here, $300,000. Work will be done by day labor.

Ill., Monmouth—Stadium and Gymnasium—Monmouth College, c/o T. H. McMichael, pres., 833 East Bway. St., will build brick, steel, rein.-con. and stone stadium and gymnasium, by day labor. $150,000. Private plans. Noted Dec. 29.

Wis., Cleveland—Church—E. A. Juul, archt., Imig. Bldg., Sheboygan, 2 story, 70 x 104 ft. rein.-con., brick and tile, plain foundation, Main St., to Verhulst Bros. Co., 1615 Erie Ave., Sheboygan. $150,000. Noted Jan. 19.

Wis., Racine—Temple—E. B. Funston Co., archts., Janes Bldg., and Masonic Temple Assn., 1145 Main St., 2 story, 100 x 120 ft. rein.-con., brick and steel, plain foundation, Main St., to Nelson & Co. Inc., Janes Bldg., $104,281. Total $155,000. Noted Feb. 23.

Wis., Sheboygan—Hotel—Wisconsin Hotel Co., general contract 3 story, 75 x 100 ft., brick, rein.-con. and steel, plain foundation, 8th St., to G. Geib, 1439 South 9th St. Noted Jan. 19.

Ia., Clarinda—High School—Bd. Educ., 2 story, 108 x 196 ft., rein.-con., brick, tile and stone, to J. H. Hunzinger, 29 North Governor St., Iowa City, $145,743. Noted Mar. 9.

Minn., Duluth—Jail—W. F. Borgen, and St. Louis Co., 3 story, 125 x 140 ft., rein.-con., brick and steel, West 2nd St., to Fleisher Constr. Co., 606 Builders Exch., Minneapolis, $392,000. Noted Feb. 23.

Minn., Hibbing—City Hall—V. Powers, mayor, general contract, 3 story, 130 x 140 ft., rein.-con., brick and steel, South Hibbing, to Phelps-Drake Co., South Hibbing, $108,564. Noted Jan. 26.

Kan., Topeka—High School—Bd. Educ. 2 story, 100 x 134 ft., rein.-con. and steel, to L. K. Bowers & Son, 634 Kansas St. Noted Feb. 16.

Neb., Columbus—Court House—Platte Co., 4 story, 70 x 106 ft., concrete and brick, plain foundation, by day labor. $350,000.

S. D., Yankton—Hospital—State Hospital Comn., Pierre, will build 3 story, 38 x 42 ft. and 38 x 150 ft., rein.-con., brick, tile and stone, by day labor. $230,000. H. C. Gabele, archt., Mitchell, will purchase materials.

Tex., Groesbeck—See "Waterworks."

Tex., El Paso—School—For 3 story, 60 x 220 ft., (24 rooms and auditorium), Elm St. and Grant Ave., to V. E. Ware, 1614 East Missouri St., $121,989. Noted Feb. 23.

Wash., Seattle—Apartment—Spring Apartment Co., 11 story, 60 x 120 ft., Class A fireproof construction, 5th and Spring Sts., to H. Pederson, Alaska Bldg., $750,000.

Cal., Citrus—Administration, Auditorium, etc.—Citrus Union High School Dist., administration and auditorium buildings to North Pacific Constr. Co., 711 Pacific Finance Bldg., Los Angeles, $160,000; gymnasium to Wopschall Bros., 100 East Colorado St., Pasadena, $26,000. Noted Mar. 9.

Cal., Los Angeles—Office—W. W. Paden, et al., Story Bldg., 12 story, 50 x 155 ft., rein.-con., brick and terra cotta, 8th and Spring Sts., to Clinton Constr. Co., 140 Townsend St., San Francisco, $331,755. Noted March 9.

Cal., Oakland—School—Bd. Educ., Alexander Hamilton School, Galindo St. and 35th Ave., general contract to M. C. Vaughn, 357 12th St., $110,000; brick work to Mealey & Collins, 180 Jessie St., San Francisco, $12,890; heating and ventilating to Scott Co., 243 Minna St., San Francisco, $19,790. Noted Mar. 9.

Cal., San Francisco—Apartments—A. C. Blumenthal, 58 Sutter St., 8 story, Jackson and Laguna Sts., and 10 story, Powell and Sacramento Sts., to MacDonald & Kahn, 130 Montgomery St., $500,000 each.

Cal., Sonoma—High School—Sonoma Valley Union High School Dist., 2 story, 145 x 170 ft., rein.-con., general contract to Larsen & Siegrist, Claus Spreckles Bldg., San Francisco, $103,777. Noted Mar. 9.

Ont., Gravenhurst—Hospital—C. S. Cobb, archt., 71 Bay St., Toronto, general contract 3 story, rein.-con., brick and stone, here, to Jackson-Lewis Constr. Co. Inc., Ryrie Bldg., Toronto; millwork to J. R. Eaton, Orillia, stone to Central Canada Stone Co., Victoria St., Sarnia, for Muskoka Free Hospital for Consumptives, 223 College St., Toronto. Total $450,000.

Federal Government Work

PROPOSED WORK

O., Dayton—Nurses Dormitory, etc.—Bd. Mgrs. Natl. Home for Disabled Volunteer Soldiers plans 2 or 3 story addition for nurses and several barracks for doctors, rein.-con., brick and concrete, at Soldiers Home, here. $150,000.

BIDS DESIRED

Pa., Phila.—Dredge Pontoons, etc.—April 6, by U. S. Engineer, 815 Widener Bldg., Phila., dredge pontoons, saddles and shore discharge pipe.

La., New Orleans—Dredge Pipe—March 27, by U. S. Engineer, 329 Custom House, New Orleans, steel dredge pipe with pontoons; adv. this issue.

Tenn., Memphis—Galvanized Wire, etc.—April 3, by Mississippi River Comm., 1st and 2nd Dists., Customhouse, 895,000 lb. galvanized wire, wire strand, staples and 40,000 wire rope clips; adv. this issue.

Tenn., Nashville—Steel Hull—April 11, by U. S. Engineer, Nashville, steel hull for dredging; adv. this issue.

Alaska, Nenana—Bridge—May 1, at office C. E. Dole, genl. purch. agt., Alaska Eng. Comn., Room 422, Bell St. Terminals, Seattle, Wash., steel bridge over Tanana River, near here; adv. this issue.

BIDS RECEIVED

N. J., Lakehurst—Storeroom—Spec 4580—Bureau Yards & Docks, Navy Dept., Wash., D. C., storeroom for gas cells, here, from R. J. Mansfield, 135 William St., New York, $19,625 (60 days); D. Zane Co., 233 Bway., New York, $21,385 (60 days); Triest Contg. Corp., 126 59th St., New York, $22,675 (60 days). Noted Jan. 26.

W. Va., Charles Town—Post Office—Treas. Dept., Wash., D. C., for construction complete, here, from W. McDonald Constr. Co., St. Louis, Mo., $62,600; Devault & Deitrich, Canton, O., $67,450; Charlottesville Lumber Co., Charlottesville, Va., $72,640. Noted Feb. 23.

Cal., San Diego—Barracks, etc.—Spec. 4563—Bureau Yards & Docks, Navy Dept., Wash., D. C., 6 barracks, 2 entrance buildings and gates, at naval base, here, (1) work complete, from Lange & Bergstrom, 819 Timkin Bldg., (1) $490,000 (270 days), (2) $75,000, (3) $145,000, telegraphic modifications deduct (1) $3,000, add (2) $1,000, add (3) $5,000; W. E. Kerr and W. Simpson Constr. Co., 813 1st Natl. Bank, (1) $500,000 (300 days), (2) $80,000 (30 days), (3) $160,000 (60 days), telegraphic modifications deduct (1) $8,500, deduct (2) $7,500, (3) $12,500; Wright & Dorin, 345 Spreckles Bldg., (1) $520,000 (290 days), (2) $70,000 (20 days), (3) $140,000 (40 days), telegraphic modifications deduct (1) $22,600, add (2) $5,000, add (3) $9,000. Noted Feb. 23.

CONTRACTS AWARDED

R. I., Providence—Dredging—U. S. Engineer, dredging in Silver Eel Pond, Fort H. G. Wright, Fishers Island, N. Y. and in Plum Gut Harbor, Fort Terry, Plum Island, N. Y., to T. A. Scott Co., Inc., 292 Pequot Ave., New London, Conn. $5,362. Noted Feb. 9.

Va., Yorktown—Steam Piping System—Spec. 4573—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam piping system at navy mine depot, here, to Newport Contg. and Eng. Co., Newport News, $6,663. Noted March 9.

Wash., Puget Sound—Seawall—Spec. 4562—Bureau Yards & Docks, Navy Dept., Wash., D. C., seawall at Navy Yard, here, to J. A. McEachern Co., 552 Coleman Bldg., Seattle, $300,000. Items 6, 7 and 8 (360 days). Noted March 9.

Miscellaneous

PROPOSED WORK

Coal Bunker—Port Chester, N. Y.—M. De Leo, Westchester Ave., soon lets contract 80 x 130 ft. rein.-con. coal bunker, 300 ton capacity. $25,000. F. Urso, 453 West Main St., Stamford, Conn., engr.

Park—Trenton, N. J.—Plans park along Delaware River connecting with Stacy Park, incl. bridge across Asanpink Creek. $25,000. G. W. Page, City Hall, dir. Parks.

Amusement Pier—Wildwood, N. J.—New Jersey Seashore Co., 423 Market St., Camden, plans 200 x 750 ft. amusement pier on Ocean Front, here, with 200 ft. steel and tile building on end. $750,000.

Power and Light Units—Kane, Pa.—Keystone Power Co. plans 2 new units, one to be installed this year and the other during 1923.

Stadium—Detroit, Mich.—University of Detroit, East Jefferson Ave., having plans prepared by A. Des Rosiers, archt., 620 McKerchey Bldg., 500 x 500 ft. rein.-con. stadium, 32,000 seating capacity, Livernois Rd. $200,000.

Miscellaneous (Continued)

Tipple — Astoria, Ill. — Canton Architectural Co., Ellis Bldg., Canton, preparing plans for coal mine tipple, power house, railroad tracks, scales and cable, for company now being formed. $300,000.

Boiler and Steam Heating Plant—Marshfield, Wis.—C. E. Blodgett Hotel Co. having plans and specifications prepared and soon takes bids for boiler and new steam heating plant in hotel addition. G. A. Krasin, Marshfield, engr.

Paving Materials — Minneapolis, Minn.—K. E. Alexander, city purch. agt., rejected bids opened March 10, 50,000 bbl. portland cement; 1,000 ton paving pitch and 2,500 ton refined tar. Noted Feb. 16.

Traveling Crane—New Prague, Minn.—See "Industrial Works."

Turbine Units, etc.—Grand Forks, N. D.—Red River Power Co., 27 South 3rd St., plans improving electric light plant incl. 2,000 kw. turbine and laying 20 in. pipe line from plant to Red River. $125,000. W. G. Brown, mgr.

Grain Elevator — Cameron, Mo. — Cameron Co-operative Elevator Assn. plans grain elevator, rein.-con., brick and steel. $26,000. Architect not selected.

Asphalt Plant—St. Joseph, Mo.—Bd. Pub. Wks. plans asphalt plant, rein.-con. and brick. $25,000. W. K. Seitz, City Hall, engr.

Ferry Terminal—San Francisco, Cal.—Golden Gate Ferry Co., Hobart Bldg., had plans prepared ferry terminal, foot of Hyde St., incl. ferry slip, creosoted pile and timber wharf with parking space, 1 story waiting room, ticket office building and 2,500 gal. tank for fuel oil. Work will be done by day labor. F. G. White, Ferry Bldg., engr.

Power Development—Carillon, Que.—Pub. Serv. Corp. and Canadian Light & Power Co., 263 St. James St., Montreal, soon takes bids for hydro electric power development, on Ottawa River, here, incl. transmission lines, transformer stations, etc. $20,000,000, ultimately $40,000,000. K. B. Thornton, St. James St., Montreal, ch. engr. Pub. Serv. Corp.

Power Development—Montreal, Que.—Ottawa & Hull Power & Mfg. Co. Ltd., 134 Wellington St., Ottawa, Ont., having plans prepared for hydro electric power development at Calumet Falls, to be in 4 units, 14,500 h.p. each. W. Kennedy, Jr., 364 University Ave., Consult. engr.

Ornamental Boulevard—London, Ont.—See "Streets and Roads."

Police and Fire Alarm Signal System—Ottawa, Ont.—Plans 15 station police signal system and fire alarm box. $30,000. A. F. Macallum, city engr.

BIDS DESIRED

Underpass — Springfield, Mass. — Boston & Albany Ry., South Sta., Boston, taking bids concrete and steel tunnel underpass at Union Ry. Station, here. Cost between $25,000 and $30,000. F. B. Freeman, c/o owner, engr.

Station—Brooklyn, N. Y.—March 28, by Transit Comn., 49 Lafayette St., New York, completing construction work of Lawrence St. station on Montague St. tunnel line of New York Municipal Ry. Corp.

Electric Gantry Cranes — Rochester, N. Y.—April 11, by C. L. Cadle, supt. Pub. Wks., Albany, two 5 ton electric gantry cranes, on Barge Canal Terminals, 1 here and other at Syracuse, Terminal Contr. 122.; adv. this issue.

Concrete Road Paver, etc.—Syracuse, N. Y.—Bd. Supervs. Onondaga Co. taking bids 1 concrete road paver, 1 heavy road machine, 2 concrete road finishers, 1,200 lin.ft. steel concrete paving forms, 1 well drill for quarry use and 1 dipper shell for steam shovel. Address F. X. Wood, co. purch. agt.

Stone, Sand, Lumber, etc.—Phila., Pa.—March 20, by L. J. Acker, city purch. agt., 6,000 ton crushed stone, 20,000 cu.yd. asphalt sand, 18,000 ft. lumber, various sizes, and 800 switches with keys, cut out plugs, mouldings, etc.

Road Oiling—Baltimore, Md.—March 21 by State Rds. Comn., oiling six sections of state highway. J. N. Mackall, chn.; adv. this issue.

Road Materials — Towson, Md. — March 23, by Comrs. Baltimore Co., furnishing and applying tar or asphalt; furnishing patch material, stone chips and stone. H. G. Shirley, engr.; adv. this issue.

Grain Elevator—Norfolk, Va.—Taking bids and opens same about April 15, 750,000 bu. capacity grain elevator, in connection with $5,000,000 port project. Neff & Thompson Seaboard Bldg., archts. and engrs., W. H. Cookman, Phila., consult. engr.

Wharfs, etc.—Miami, Fla.—April 4, building 2 wharfs, and dredging slip from 15 ft. to 20 ft. $100,000. C. W. Murray, city engr.

Bituminous Cold Patch Material—Kentucky — March 21, by State Hy. Comn., Frankfort, furnishing 10,000 gal. bituminous cold patch material f.o.b. Frankfort. J. S. Boggs, state highway engr.

Subway—Cincinnati, O.—March 31, by Rapid Transit Comn., City Hall, 3 mi. Sect. 6, Rapid Transit System, along Miami and Erie Canal from Hopple St. to Mitchell Ave., 180,000 cu.yd. earth and 4,000 cu.yd. trench excav., 6,125 lin.ft. 6-24 in. tile, 950 lin.ft. 8 in. water pipe, 17,000 track stringers, 4,000 sq.yd. concrete paving, 4,300 cu.yd. rein.-con., etc. $399,635. F. Rashig, City Hall, engr. Noted Feb. 9.

Bituminous Material—Lansing, Mich.—March 27, by State Hy. Dept., furnishing 1,320,200 gal. surface treatment material, 71,600 gal. cold patch material, 69,000 gal. bituminous macadam (penetration) material, 29,200 gal. joint filler material.

Grader—Black River Falls, Wis.—W. Tibbits, highway comr. Jackson Co., receiving bids large grader.

Sweeper and Truck—Green Bay, Wis.—March 21, motor driven street sweeper with sprinkler attachment and truck with dump body. Private plans. W. L. Kerr, clk.

Portland Cement—Milwaukee, Wis.—March 22, by Central Bd. Purch., 10,000 bbl. portland cement. Noted Mar. 2.

Road Oil—New Ulm, Minn.—March 20, 100,000 gal. 40-50 per cent asphalt road oil. F. D. Minium, city engr.

Scrapers, etc.—St. Cloud, Minn.—April 5 by Stearns Co., twelve 2½ wheel scrapers with and without bits; twelve 1 slip scrapers with runners; one 4 horse fresnos, 5 ft. wide; two 2 horse fresnos, 3½ ft. wide; two road plows; unit price on 2 horse patrol graders in any number county may want. N. Thomey, aud.

Sheet Steel, etc.—St. Paul, Minn.—March 20 by H. W. Austin, city purch. agt., 600 sheets, 18 gauge 2½ in. corrugated painted steel, 26 x 72; 1,200 sheets 18 gauge 2½ in., 26 x 108; also Chaska or first quality brick and vitr. clay sewer pipe for Dept. Pub. Wks. during 1922.

Foundations—Neb., Lincoln—April 12, by State Capitol Com., constructing first section of foundations of Nebraska State Capitol Building. S. R. McKelvie, chn.; adv. this issue.

Drilling Tools—Joplin, Mo.—A. B. McConnell, 115 East 4th St., in market for drilling tools and rig.

Sweepers—Montreal, Que.—March 27, by Chairman Executive Com., 10 automatic sweepers. $118,000. S. Fortin, City Hall, engr.

Supplies—Toronto, Ont. — March 28, by W. A. McLean, deputy minister of highways, furnishing woven wire fencing, Contr. 582; vitr., concrete and corrugated iron pipe, Contr. 583; asphaltic oil, Contr. 586; tar Contr. 587; steel reinforcement for bridge floors and concrete pavements, Contr. 589. G. Hogarth, Parliament Bldg., ch. engr.

Cable and Accessories—Melbourne, Australia—April 29, by R. Liddelow, secy. State Electricity Comn. of Victoria, 673 Bourke St., for supply, delivery, etc., of 22,000 volt 3 core cable and accessories, Spec. 200, for plant of Morwell Power Scheme adv. this issue.

BIDS RECEIVED

Heating and Ventilating Apparatus, etc. —Brooklyn, N. Y.—C. B. J. Snyder, supt. School Buildings of Bd. Educ. Municipal Bldg., New York, opened bids March 10, installing (a) heating and ventilating apparatus, (b) temperature regulation apparatus in (1) P. S. 187, 12th Ave. between 64th and 65th Sts., (2) P. S. 115, East 92nd St., Canarsie, from Raisler Heating Co., 129 Amsterdam Ave., New York, (1a) $78,197, (2a) $46,376; J. C. Williams, Inc., 233 Bway., New York, (1a) $78,474; D. J. Rice, 405 Lexington Ave., New York, (1a) $78,700; Heat Control Serv. Co., 267 Wyckoff St., (1b) $7,397, (2b) $4,183; Johnson Serv. Co., Inc., 118 East 28th St., New York, (1b) $7,472, (2b) $4,198; Bishop & Babcock, 1200 East 55th St., Cleveland (1b) $7,690, (2b) $4,190; T. F. Hall, Inc., 405 Lexington Ave., New York, (2a) $44,956; Gillis & Geoghegan, 537 West Bway., New York, (2a) $46,035. Noted March 2.

CONTRACTS AWARDED

Pier—Portland, Me.—Directors Port of Portland, state pier Contr. 6, to Aberthaw Constr. Co., 201 Marginal St., Chelsea, Mass., $271,417. Noted Feb. 23.

Paving Brick—Binghamton, N. Y.—Bd. Contract & Supply 20,000 yellow paving brick, to Amer. Cement Clay Co., $47.50 per M; 80,000 reel paving brick, to Binghamton Brick Co., Broad St., $32 per M.

Heating and Ventilating Apparatus, etc. —New Brighton, N. Y.—C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., installing heating and ventilating apparatus in Curtis High School, Hamilton Ave. and St. Marks Pl., here, to D. J. Rice, 405 Lexington Ave., New York, $58,480; temperature regulation apparatus, etc., to Johnson Serv. Co., 118 East 28th St., New York, $4,998. Noted March 2.

Electric Operating Equipment — New York, N. Y.—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., furnishing and installing electric operating equipment for 48 in. valves at 86th St. and 135th St. gatehouses, to Crocker Natl. Fire Prevention Eng. Co., 22 West 30th St., $28,825. Noted Feb. 23.

Foundations—Watertown, N. Y.—See "Dam."

Shelter and Concourse—Jersey City, N. J.—W. H. Cookman, archt., 420 West Price St., Phila., 1 story, 19 x 112 ft., 1 story, 27 x 90 ft., 1 story, 17 x 577 ft. and 1 story, 30 x 256 ft. steel and tile shelter and concourse, here, to F. Snare Corp., 8 West 40th St., New York, for Pennsylvania R. R., Broad St. Sta., Phila.

Grandstand—Peoria, Ill.—Day & Bullard, archts., Peoria Life Bldg., rein.-con. grandstand and grading around same to V. Jobst & Sons, Lehmann Bldg., for Peoria Baseball Fans Assn., c/o J. Ryan, pres., $40,000. Noted Feb. 2.

Lighting System—Waukegan, Ill.—For ornamental lighting system, 121 c.i. posts, steel armored cable, etc., to Kelley Constr. Co., 314 South Barstow St., Chippewa Falls, Wis., $22,995. Noted Feb. 16.

Paving Materials—Minneapolis, Minn.—K. E. Alexander, city purch. agt., 50,000 sq.yd. creosoted wood block, to Indiana Zinc Creosoting Co., 111 West Washington St., Chicago, 3½ in. $2.09 per sq.yd.; 140,000 vitr. paving blocks or bricks for sewer construction, to Streator Clay Mfg. Co., 713 Guardian Life Bldg., St. Paul, $20 per M; 800 ton asphalt cement and between 750,000 and 1,000,000 gal. road oil (two grades), to Asphalt Sales Corp., 128 North Wells St., Chicago, $20.15 tank cars, and $.059 and $.0621 respectively; between 300,000 and 500,000 gal. road oil (two grades) to Pure Oil Co., 1306 1st Ave., S., Minneapolis, $.059 per gal.; 100 ton stanalind, to Standard Oil Co. of New Jersey, 3rd and Commercial Sts., St. Paul, $23.50 tank cars. Noted Feb. 16.

Cable—Casper, Wyo.—See "Sewers."

Tractor—Quincy, Cal.—Supervs. Plumas Co., one 12-20 track layer tractor, to Sierra Auto Supply Co., Quincy, $1,545. Noted Feb. 23.

Portland Cement—Yuba City, Cal.—Sutter Co. furnishing 8,000 bbls. cement for Knights Landing-Kirksville Rd., to Pacific Portland Cement Co., Pacific Bldg., San Francisco, on following bids; f.o.b. cars Knights Landing, $3.32; f.o.b. cars Maddock, $3.51; credit for empty sacks returned, $0.10; discount payment in 10 days, $0.05. Noted Feb. 23.

Greenhouses — Concord, Ont. — Miller & Sons, 324 Lauder Ave., Toronto, wood and steel greenhouses, here, to King Constr. Co., 40 Dovercourt Rd., Toronto, $150,000.

Grain Elevator—Port Arthur, Ont.—J. Richardson & Son, grain elevator, 1,500,000 bu. capacity, to Barnett-McQueen Co., Ltd., Ft. William.

Pier—Havana, Cuba—See "Industrial Works."

N. Y.-N. J. Tunnel—In connection with the table of unit prices for the shaft caissons and tunnels for the Inter-state Vehicular Tunnel between New York and New Jersey, published in March 2 issue, the following corrections should be noted: Contract No. 3, item 21, 23,000 yds. permanent blanket, Column A, $0.50, B $1.20, C $1.50, is omitted; totals under Contract No. 3, Columns A and B should be respectively, $7,199,623 and $7,038,298; Contr. No. 4, item 27, 50 yd. concrete not otherwise provided for, A $15, B $10, C $20, is omitted; Con. No. 4, quantity of steel work in permanent tie-rod anchorages 110 tons should be 1,100 tons; price of cast steel pile segments in column B, Contr. No. 4, should be $95.50; total column B, Contr. No. 4, should be $13,878,970; Schedule B, total Contrs. Nos. 3 and 4, Column A, $19,331,724; B, $20,917,268; C, $22,191,636, is omitted.

OFFICIAL PROPOSALS

Bids: April 5.

Highway Work

Freehold, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the County of Monmouth for the following: Construction of State Highway Route No. 4, Section No. 12, Sea Girt Avenue, Sea Girt; estimated amount of reinforced cement concrete pavement is 2,146 sq.-yds.

Work is to be performed under County Reimbursement Act, Chapter 183, Laws of 1918, and amended by Chapter 317, Laws of 1920.

Bids will be received at the Board's Rooms at Court House, Freehold, N. J., on Wednesday, April 5, 1922, at 11:00 a.m.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Geo. K. Allen, Jr., County Engineer, at Red Bank, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00), upon application to Geo. K. Allen, Jr., County Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Monmouth and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of C. Asa Francis, County Treasurer, for not less than ten per cent. (10%) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Geo. K. Allen, Jr., County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Monmouth passed at a meeting held on March 8th, 1922.

GEO. W. PATTERSON, JR.,
Clerk.

Freehold, N. J.

Bids: March 27th.

Concrete Girder Bridges

Lancaster, Pa.

Sealed proposals will be received by the County Commissioners of Lancaster County, Pa., at their office at Lancaster, Pa., until 12 o'clock noon on the 27th day of March, 1922, at which time proposals will be publicly opened and read for the construction of the following concrete girder bridges:

PEQUA NO. 4. Between Paradise and Leacock Townships. Two forty foot (40 ft.) spans and pier.

BIG CHICKIES No. 7½. Between Rapho and West Hempfield Townships. Two forty foot (40 ft.) spans and pier.

MILL CREEK NO. 2. In East Lampeter Township. Two fifty foot (50 ft.) spans and pier.

CONESTOGA NO. 4½. In East Earl Township. Two fifty foot (50 ft.) spans and pier.

Plans, specifications, proposals, etc., may be obtained at the office of the County Commissioners or at the office of F. H. Shaw, Engineer, 314 Breneman Bldg., Lancaster, Pa., for the sum of Ten Dollars ($10.00) for each set of plans. The commissioners will reserve the right to reject any or all bids. ENOS E. MOWRER,
County Controller.

F. H. SHAW,
County Engineer.

Bids: April 5.

Highway Work

Freehold, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the County of Monmouth for the following: Construction of State Highway Route No. 4, Section No. 10, from Roseld Ave., Deal to Shadow Lawn; estimated amount of Sheet Asphalt Surface on six (6) inch plan cement concrete base is 31,021 sq.yds.

Work is to be performed under County Reimbursement Act, Chapter 183, Laws of 1918, and amended by Chapter 317, Laws of 1920.

Bids will be received at the Board's Rooms at Court House, Freehold, N. J., on Wednesday, April 5, 1922, at 11 a.m.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Geo. K. Allen, Jr., County Engineer, at Red Bank, N. J., and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten ($10.00) dollars upon application to Geo. K. Allen, Jr., Red Bank, N. J., County Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Monmouth and bearing the name and address of the bidder and the name and section of the route on the outside. Bids must be accompanied by a certified check drawn to the order of C. Asa Francis, County Treasurer, for not less than ten (10%) per cent. of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Geo. K. Allen, Jr., County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Monmouth passed at a meeting held on March 8th, 1922.

GEO. W. PATTERSON, JR.,
Clerk.

Freehold, N. J.

Bids: Mar. 27th.

Paving

Elmira, N. Y.

Sealed proposals will be received by the undersigned at his office, City Hall, Elmira, N. Y., until 3:00 o'clock p.m., March 27, 1922, for repaving with brick or Warrenite-Bitulithic the following streets:

Maple Ave. from south of Magnolia St. to south line of Luce St., 5,339 square yards.

Lake St. from southl ine of East Market St. to south line East 3rd St., 7,033 square yards.

Plans and specifications are on file in the City Engineer's Office, City Hall, where also may be obtained the "proposal sheets," which must be used.

Separate certified checks are required as follows:

Maple Ave. $1,400
Lake St. 2,100

payable to the order of "Mayor of Elmira, N. Y.," and must accompany the bids. They will be returned to the bidders upon filing of contracts.

The envelopes must be endorsed "Proposals for Pavements."

The Board of Public Works reserves the right to reject any or all bids.

G. W. JARCHOW,
City Clerk.

Bids: March 21st.

Concrete Highway

Manasquan, N. J.

NOTICE is hereby given that sealed bids will be received by the Borough Council of the Borough of Manasquan, N. J., for the construction of a reinforced concrete pavement on North Broad, Broad Street, and a portion of Main and South Streets, in said Borough and opened and read in public at the Council Chambers on Broad Street, Manasquan, N. J., an Tuesday, March 21, 1922, at 8 p.m.

Drawings and specifications for the proposed work, prepared by George D. Cooper, Civil Engineer, have been filed in the office of said Engineer at 60 Broad St., Red Bank, N. J., and in the office of the Borough Clerk, Manasquan, N. J., and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders by the engineer, George D. Cooper, at his office at 60 Broad Street, Red Bank, N. J., upon payment of Ten Dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder on the outside, addressed to the Borough Council of the Borough of Manasquan and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the Collector of the Borough of Manasquan, and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and hour above named.

The Borough Council of the Borough of Manasquan, N. J., reserves the right to reject any or all bids if deemed to the best interests of the Borough to do so.

By order of the Borough Council of Manasquan, N. J.

LLOYD C. RIDDLE,
Mayor.

Attest:
ANNIE B. APPLEGET,
Clerk.

Manasquan, N. J., February 28, 1922.

Bids: March 24.

Superstructure of Pier

Philadelphia, Pa.

Sealed proposals, endorsed "Bids for the construction of the superstructure of Porter Street Pier, No. 84 South Wharves," will be received until 12 o'clock noon, Friday, March 24, 1922, in the office of the Director of the Department of Wharves, Docks and Ferries, 550 Bourse Building, and then publicly opened.

Plans, specifications and blank forms upon which bids must be made can be obtained at the office above mentioned upon the deposit of a certified check in the sum of $25 to cover the cost of blue prints, which check will be returned upon the receipt in this office of the plans and specifications in good condition and unmarked. The successful bidder will be furnished with all blue prints necessary free of charge.

Proof must be submitted the Department by the contractor that he has accepted the provisions of the workingmen's compensation Act of June 18, 1917, relative to workingmen's compensation, and insured his liability thereunder or secured exemption therefrom.

No bid will be considered unless accompanied by a certificate from the City Solicitor of the City of Philadelphia, to the effect that the provisions of an ordinance approved May 25, 1860, requiring proposal bonds on all bids exceeding in amount $500, have been complied with.

The Director reserves to himself the right to reject any or all bids as he may deem best for the interest of the City of Philadelphia.

GEORGE F. SPROULE,